premium® line

Structured Cabling System

2020/2021

Contents

Premium-Line Systems GmbH is a part of a global manufacturing group with more than 35 years of experience in the field of network cabling. Premium-Line system is a comprehensive solution for network infrastructure, mainly designed in Europe with a complete product portfolio. It includes classical and advanced copper solutions, fiber optic solutions for outside plant and premises as well as datacenter server cabinets and network distribution enclosures.

Since the beginning of the nineties we have been dedicated to researching and developing cutting edge signal transmission cables and the related hardware. Through almost three decades of efforts, we succeeded in developing high performance network transmission products.

All our customers are guaranteed professional support by our global team of dedicated employees insuring only high sophisticated solutions for every specific request.

High Performance for the Future

Category 6A+, Category 6A, Category 6 & 5e Premium-Line Cabling Systems deliver end-to-end solutions for converged networks with high flexibility and proven interoperability to ensure smooth deployment and simplified management. Top of breed technology bundled with professional design and premium quality gives our clients investment protection and sustainable advantages while expanding their businesses.

New product development and constant process improvement are two of the most important key approaches to maintain the company's competitiveness. All Premium-Line cabling systems installed by an authorized Premium-Line installer or system integrator can be covered by a 25-year warranty.

This warranty provides each end user the confidence of a rely on our future proof system. In times of big data transmissions and growing demand on bandwidth, the technical parameters approved the networking infrastructure system and became mandatory. With Premium-Line this became affordable.

Premium-Line
Your Professional Partner
for Structured Cabling Systems

Integrated Strength of Manufacture & System Integration

Premium-Line has over 35-year experience in developing and manufacturing of data cabling products. With our excellent knowhow about the network market, the high-speed data communication applications and the latest technology we make sure that our customer get the best support to obtain customized solutions. With this strength, also the complete product range for data communication cabling use, these keeping us in the leading edge over worldwide market. Till today our engaged and certified team has successfully completed hundreds of complex network projects all over the world.

Quality & Service

Premium-Line has dedicated teams responsible for internal quality monitoring and systemic product upgrading, customer satisfaction, as well as technical support and service maintenance.

All products are verified upon receipt of raw materials and are constantly monitored until the production process is finished. Based on the latest international standards, our team of experts and future oriented technology, we are able to build up a complete quality and service policy and that is why we can keep our promise of the best possible performance.

25 years System Warranty Policy

All copper and fibre optic cable systems supplied by Premium-Line and installed and tested by a Premium-Line authorized installer in accordance with the Premium-Line Cabling System Installation Manual, can be covered with a 25-year warranty. Premium-Line has a complete channel program, including distributor authorization, installer trainings, warranty extension, marketing & technical service, global strategy and information exchange. This combines our strengths and helps us to achieve our global sales goals as well as the prosperity of our partners in the cabling business.

Our Advantages

- 25 years System Warranty – Guarantee on all Premium-Line data network systems for 25 years
- Cabling training and Certification course
- Dedicated R&D team for new product designs
- Professional sales team for global partner and customer support
- Plant based Product Management & logistic team for technological, quality and logistic support

www.premiumline-cabling.com

premium line ®

- **Installation Cable**
  Category 7A S/FTP 1200MHz
  Category 7 S/FTP 1000MHz

- **Keystone Jack**
  Category 6A+ 180° Shielded Die-casting
  Keystone Jack De-embedded Type

- **Modular Patch Panel**
  High Density Unloaded Patch Panel

- **Patch Cord**
  Category 6A+ S/FTP Patch Cord
  Component Level Type

- **Faceplate German Style**

Access to High Speed Ethernet
Category 6A+ Cabling Solutions

10G Standard

2006, standard IEEE 802.3an is ratified to provide 10 Gbit/s connections over unshielded or shielded twisted pair cables, and specified transmission characteristics up to 500MHz.

This requires Category 6A or better balanced twisted pair cables comply with ISO 11801 amendment 2 or ANSI/TIA-568-C.2 to support 10GBASE-T up a distance of 100m.

So far, 10G BASE-T Ethernet is the fastest LAN connection path with copper communication solutions.

10G Bandwidth

10G BASE-T system require the cable works in full duplex mode, which means you have to use 4 pairs for simultaneous transmission in both directions, and to support 100m data transmission, it must use Category 6A 500MHz at a minimum.

Premium-Line Category 6A+ 1000MHz communication cable, with the significant higher bandwidth to provide bigger quantity of «data path», definitely guarantees you stable and excellent practical 10G network and is capable to support higher speed application.

For the future upgrade of the building data networks, Premium-Line 1000MHz cable uses a special design to offer bandwidth capacity for upcoming high-speed transmission technology. It allows to make system upgrades simpler and more convenient giving investment protection on the cable installed.

German Quality Solution

Europe has the highest demanding market for shielded 10G solutions. Premium-Line Systems combines the strengths of its own experienced R&D team and special know-how about the network market to offer a cost-effective Category 6A+ shielded solution. This offering extends our wide range of German quality products.

Installation Cable
Category 7A S/FTP 1200MHz

Standards:
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-4-1
- ISO/IEC 61156-5 2nd Editihon
- ANSI/TIA-568.2-D:2018
- IEC 60332-1-2
- IEC 60754-2
- CPR Class Eca, Dca (B2ca on request)

Application:
- 10G BASE-T Ethernet
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

Conductor
Insulation
Al-Pet Shield
Braiding Shield
Jacket
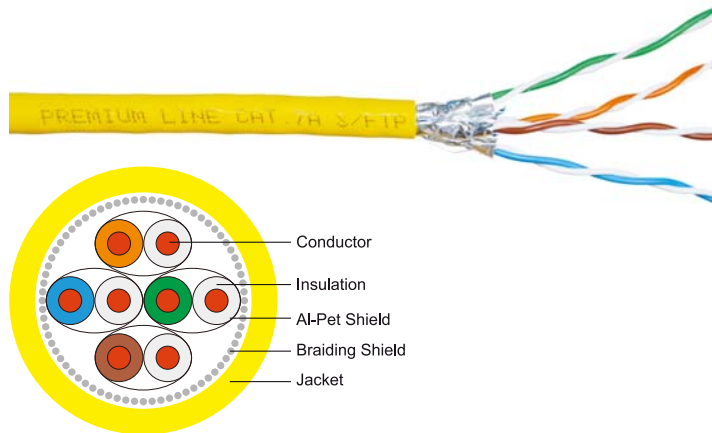
Construction

Conductor	Material / Construction	Bare Copper / 22AWG
Insulation	Material	Foam-Skin PE
	Diameter	1.48 ± 0.10 mm
Inner-Shield	Aluminum-Mylar	Al-PET foil screen around each pair
Braid	Material	Tinned Copper Covered Aluminum
Sheath	Material	LSOH
	Diameter	8.2±0.2mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Frequency	Insertion Loss		NEXT		PSNEXT		ACR-F		PSACR-F		Retun Loss		ACR	PSACR
(MHz)	(dB)		(dB)		(dB)		(dB)		(dB)		(dB)		(dB)	(dB)
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Typ.	Typ.
1	1.9	1.7	78.0	91.8	75.0	88.5	78.0	92.4	75.0	89.8	20.0	30.0	98.3	95.3
4	3.5	3.4	78.0	95.5	75.0	93.5	78.0	88.9	75.0	92.0	23.0	28.5	96.6	93.6
10	5.4	5.0	78.0	100.4	75.0	97.0	74.0	94.5	71.0	97.9	25.0	33.6	95.0	92.0
16	6.8	6.4	78.0	99.0	75.0	96.9	69.9	93.3	66.9	93.2	25.0	34.0	93.6	90.6
20	7.6	6.7	78.0	99.3	75.0	97.9	68.0	91.9	65.0	92.7	25.0	34.9	92.9	89.9
31.25	9.6	9.0	78.0	99.7	75.0	97.0	64.1	90.1	61.1	91.3	23.6	35.0	91.0	88.0
62.5	13.7	12.3	78.0	101.3	75.0	97.0	58.1	89.7	55.1	89.4	21.5	31.5	87.0	84.0
100	17.5	16.8	76.0	100.5	73.0	98.2	54.0	83.4	51.0	87.9	20.1	30.1	81.2	78.2
200	25.3	23.9	71.5	99.5	68.5	97.7	48.0	88.7	45.0	86.8	18.0	28.9	69.1	66.1
250	28.5	27.8	70.0	98.9	67.0	97.2	46.0	88.5	43.0	86.2	17.3	27.3	63.6	60.6
300	31.5	29.7	68.8	97.4	65.8	97.0	44.5	83.3	41.5	79.5	17.3	28.9	61.8	58.8
400	36.9	33.9	67.0	97.1	64.0	95.1	42.0	80.1	39.0	76.1	17.3	27.3	55.7	52.7
550	44.1	39.2	64.9	96.8	61.9	94.9	39.2	75.7	36.2	74.9	17.3	27.0	50.1	47.1
600	46.3	43.6	64.3	90.0	61.3	88.6	38.4	67.0	35.4	68.4	17.3	27.3	43.6	40.6
800	54.5	48.8	62.5	94.8	59.5	91.8	35.9	58.3	32.9	54.4	16.1	26.5	37.4	34.0
1000	62.0	57.5	61.0	92.1	58.0	90.3	34.0	50.8	31.0	48.4	15.1	24.0	35.2	33.5
1200	69.0	61.9	59.8	82.2	56.8	82.2	32.4	43.8	29.4	37.7	14.3	22.3	23.5	20.5

Category 7A S/FTP 1200MHz Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
208442228	Category 7A S/FTP Installation Cable, 500m reel, LSOH, 1200 MHz, Yellow	57(O.D.) 22(H) cm

Other lengths, colors or PVC cables on request

Category 6A+
Cabling Solutions
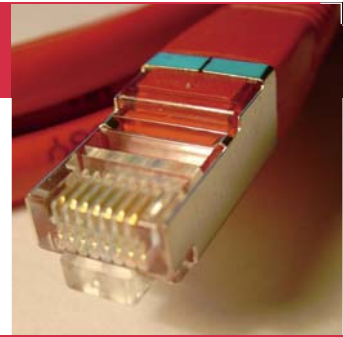
Installation Cable
Category 7 S/FTP 1000MHz

Standards:
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-4-1
- ISO/IEC 61156-5 2nd Edition
- ANSI/TIA-568.2-D:2018
- IEC 60332-1-2
- IEC 60754-2
- 3P Verified
- CPR Class Eca, Dca (B2ca on request)

Application:
- 10G BASE-T Ethernet
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

207442225

Conductor
Insulation
Al-Mylar foil
Tinned copper braiding
Sheath
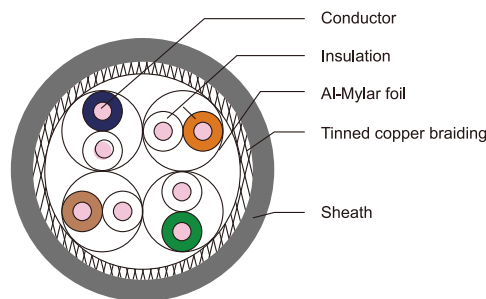
Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil Screen Around Each Pair
Braid	Material	Tinned Copper
Sheath	Material	LSOH
	Diameter	7.8 ± 0.2 mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Frequency	Insertion Loss		NEXT		PSNEXT		ACR-F		PSACR-F		Retun Loss		ACR	PSACR
(MHz)	(dB)		(dB)		(dB)		(dB)		(dB)		(dB)		(dB)	(dB)
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Typ.	Typ.
1	1.9	1.7	78.0	100.0	75.0	97.0	77.0	90.0	75.0	87.0	20.0	30.0	98.3	95.3
4	3.9	3.4	78.0	100.0	75.0	97.0	77.0	90.0	75.0	87.0	23.0	33.0	96.6	93.6
10	5.4	5.0	78.0	100.0	75.0	97.0	74.0	90.0	71.0	87.0	25.0	35.0	95.0	92.0
16	6.8	6.4	78.0	100.0	75.0	97.0	70.0	90.0	67.0	87.0	25.0	35.0	93.6	90.6
20	7.6	7.1	78.0	100.0	75.0	97.0	68.0	90.0	65.0	87.0	25.0	35.0	92.9	89.9
31.25	9.6	9.0	78.0	100.0	75.0	97.0	64.0	90.0	61.0	87.0	23.6	33.6	91.0	88.0
62.5	13.7	13.0	78.0	100.0	75.0	97.0	58.0	85.0	55.0	82.0	21.5	31.5	87.0	84.0
100	17.5	16.8	76.0	98.0	73.0	95.0	54.0	81.0	51.0	78.0	20.1	30.1	81.2	78.2
200	25.3	23.9	71.0	93.0	68.0	90.0	48.0	77.0	45.0	74.0	18.0	28.0	69.1	66.1
250	28.5	28.5	70.0	92.1	67.0	89.1	46.0	76.0	43.0	73.0	17.3	27.3	63.6	60.6
300	31.5	29.2	69.0	91.0	66.0	88.0	44.0	71.0	41.0	68.0	17.3	27.3	61.8	58.8
350	34.3	33.4	68.0	89.1	65.0	86.1	43.0	68.1	40.0	65.1	17.3	27.3	55.7	52.7
400	36.9	37.2	67.0	87.3	64.0	84.3	42.0	66.2	39.0	63.1	17.3	27.3	50.1	47.1
550	44.1	42.5	65.0	86.1	62.0	83.1	39.0	60.0	36.0	57.0	17.3	27.3	43.6	40.6
600	46.3	48.2	64.0	83.1	61.0	80.1	38.0	52.1	35.0	49.1	17.3	27.3	37.4	34.0
800	54.5	53.8	62.0	82.0	59.0	79.0	36.0	48.0	33.0	45.0	16.1	25.0	29.8	27.1
1000	62.0	57.5	61.0	81.0	58.0	78.0	34.0	46.0	31.0	43.0	15.1	24.0	23.5	20.5

Category 7 S/FTP 1000MHz Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
207442225	Category 7 S/FTP Installation Cable, 500m reel, LSOH, 1000 MHz, Grey	45(O.D)×29.8(H) cm

Other lengths, colors or PVC cables on request

Keystone Jack

Category 6A+ 180° Shielded Die-casting Keystone Jack De-embedded Type ———

To fully support Class EA link for 10G applications, Premium-Line Category 6A+ shielded keystone jack achieves de-embedded performance definition according to ISO/IEC 11801-1:2017. This module is designed for easy and toolless termination and quick operation. Moduls for wiring both T568A & B are available.

- Real ISO/IEC 11801-1:2017 compliant module
- All condition excellent performance to support your LAN access
- Easy and quick installation, reliable contact & connectivity
- Standard RJ45 socket with springs for loop grounding noise transferring
- Nickel plated over zinc alloy fully shield housing, reliable mechanical structure
- Finish product in compact design, standard size fits with worldwide style outlets
- Compatible with Premium-Line distinct modular patch panel for datacenter or cross connect use

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze
Shielded Cover	50~60μ inch nickel plated over zinc alloy

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to 60°C
Humidity	10%~90%; non condensing

| Applications |
|---|
| • 10GBASE-T Ethernet |
| • 1000BASE-Tx Gigabit Ethernet |
| • 1000BASE-T Gigabit Ethernet |
| • 100BASE-Tx Fast Ethernet. |
| • 10BASE-T Ethernet. |
| • Voice, Video and other applications. |

108524010

Category 6A+ 180° Shielded Die-casting Keystone Jack, De-embedded Type

PART NO.	DESCRIPTION	PACKING SIZE
108524010	Category 6A+ 180° Shielded Die-casting Keystone Jack, De-embedded Type	53.8×35.2×27cm

Category 6A+
Cabling Solutions
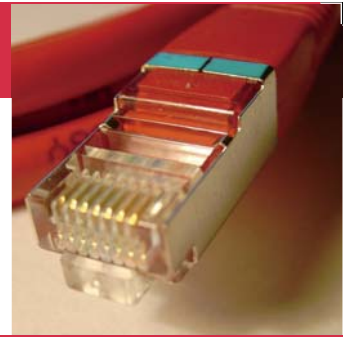
Modular Patch Panel
High Density Unloaded Patch Panel

Premium-Line 19" high density unloaded patch panel, 24 port in 0.5U&1U and 48 ports in 1U Size, could significantly expand your capacity saving space in the rack!
Premium-Line high density unloaded patch panel is in dedicated design to adopt Premium-Line 180° shielded die-casting keystone jacks, instalable at different locations. Each port has sequence numbering, and above markable position, is right for future port identification or re-management. Main body and back cable management made by single complete steel plate, suits for all standard 19" rack installation.

170244802
170242402
170282402

High Density Unloaded Patch Panel

| PART NO.	DESCRIPTION	SIZE
170244802	High Density Shielded 48Port Unloaded Patch Panel for 180° shielded die-casting keystone jack (P/N 108524010, 109824010), 1U, with Cable Management	50.5×27.9×27 cm
170242402	High Density Shielded 24Port Unloaded Patch Panel for 180° shielded die-casting keystone jack (P/N 108524010, 109824010, 109524010, 106524010, 105524010), 1U, with Cable Management	50.5×27.9×27 cm
170282402	High Density Shielded 24Port Unloaded Patch Panel for 180° shielded die-casting keystone jack (P/N 108524010, 109824010) , 0.5U, with Cable Management Bar	50.5×27.9×27 cm

Other colors on request

Patch Cord

Category 6A+ S/FTP Patch Cord Component Level Type

Premium-Line Category 6A+ S/FTP patch cord component level type supports whole link to help to achieve Class EA 500MHz 10G channel applications, as per standard ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 Class EA, EN 50173-1, EN 50288-4-2, IEC 61935-2, IEC 61156-6. The cable realize high performance, could pass Fluke ISO 11801 Cat.6A Patch Cord test up to 20m.
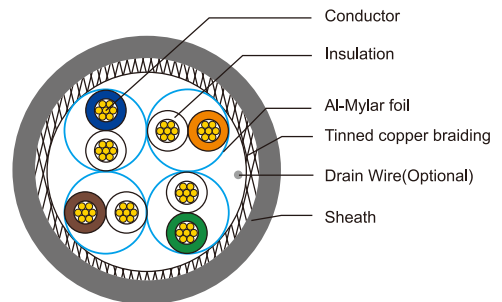
Construction

Conductor	Material / size	Bare Copper / 26 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil Screen Around Each Pair
Braid	Material	Tinned Copper
Sheath	Material	PVC / LS0H
	Diameter	5.7± 0.3 mm

Category 6A+ S/FTP Patch Cord Component Level Type, LSOH

Length	Grey	Green	Blue	Red	Yellow
0,5 m	189420055	189420056	189420054	189420053	189420058
1 m	189420105	189420106	189420104	189420103	189420108
2 m	189420205	189420206	189420204	189420203	189420208
3 m	189420305	189420306	189420304	189420303	189420308
5 m	189420505	189420506	189420504	189420503	189420508
7 m	189420705	189420706	189420704	189420703	189420708
10 m	189421005	189421006	189421004	189421003	189421008

Other lengths, colors or PVC cables on request

Category 6A+
Cabling Solutions

Faceplate
Faceplate German Style

Premium-Line shutter type faceplate is in standard German style, finished in 80×80 size.
Available to provide RAL9010 and RAL1013 color for option. And also the compatible back box with same color is on your request.
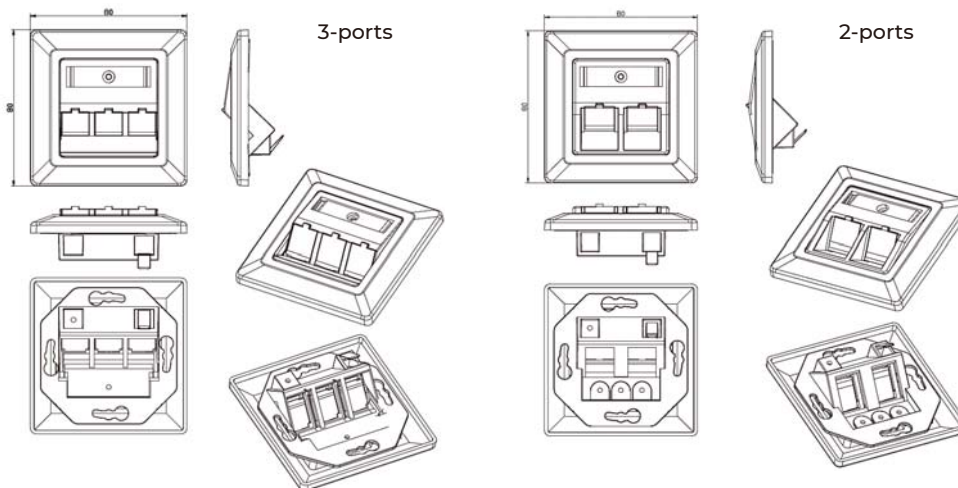
- Suitable for 180° keystone jacks(P/N:109824010,108524010)
- Shutter for each port
- Uniform German style
- Plate material: ABS
- Back lining material: zinc die casting alloy
- Dimension: 80 x 80mm
- RoHS compliant

112003080

123312090

3-ports   2-ports

Faceplate German Style

PART NO.	DESCRIPTION
123212090	2-Port 45° Faceplate for Keystone with Shutter, 80×80 mm, RAL 9010
123212080	2-Port 45° Faceplate for Keystone with Shutter, 80×80 mm, RAL 1013
123312090	3-Port 45° Faceplate for Keystone with Shutter, 80×80 mm, RAL 9010
123312080	3-Port 45° Faceplate for Keystone with Shutter, 80×80 mm, RAL 1013
112003090	Wall Mounted Back Box 80×80×40 mm, Color RAL 9010
112003080	Wall Mounted Back Box 80×80×40 mm, Color RAL 1013

premium line ®

- **Installation cable**
  Category 6A S/FTP 600MHz
  Category 6A U/FTP 600MHz
  Category 6A U/UTP 500MHz
- **Shielded Keystone Jack**
  Category 6A 180° shielded Die-casting Keystone Jack, Slim Type
  Category 6A 90° Shielded Die-casting Keystone Jack, Slim Type
- **Unshielded Keystone Jack**
  Category 6A 180° Unshielded Toolless Keystone Jack, Slim Type
  Category 6A 180° Unshielded Keystone Jack
- **Patch Panel**
  Category 6A 1U Shielded Patch Panel
  Category 6A 0.5U Shielded Patch Panel
  Category 6A 180 ° Unshielded Patch Panel
- **Modular Patch Panel**
  1U 24port Angled Modular Patch Panel
- **Patch Cord**
  Category 6A S/FTP Patch Cord
  Category 6A U/FTP Patch Cord
  Category 6A U/UTP Patch Cord
- **Flexible Consolidation Point Cable**
  Class EA 10G CP Cable

Category 6A Cabling Solutions

10 Gigabit Ethernet is nowadays viable solution for destinations with very high data traffic concentration like data center, server farms, MAN's and backbones.

Need of 10 Gigabit Service

Applications as high resolution digital videos, medical imaging, digital animation, CAD/CAM, high speed data storage also require the quality of service (QoS) inherent in 10 Gigabit Ethernet. IP-based services such as VoIP and video will require extended bandwidth. Greater bandwidth is also required as voice, data and video networks are getting applied on structured cabling systems, as it is the case in todays advanced security systems.

Standard of 10 Gigabit

Already in 2002 the IEEE ratified a 10 Gigabit Ethernet standard for a full duplex fiber technology. Considering the world wide market need, the technology's potential and the economies offered by copper cabling systems, both IEEE and TIA/EIA have ratified the new standard IEEE 802.3an TM Category 6A in summer 2006.

Demand of 10 Gigabit Systems

Considering the experience gathered in the past with 100 Mb/s and later on 1 Gb/s as standards the demand for 10G structured cabling systems on the mass market is expected to rise dramatically in the next few years. Bandwidth will be the key issue for many applications in the near future. That is why it will be important to invest in future proofed 10G twisted pair structured cabling network.

Premium-Line 10G Category 6A cabling solution provides transmission performance that exceeds the industry standards for Category 6 parameters and supports the operation of 10GBASE-T. 10G Category 6A cabling solutions are qualified for frequencies up to 500 MHz and deliver guaranteed applications.

Features

1. Performance conforms to ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017, TIA-TSB-155 draft and EN 50173-1, IEEE 802.3an™ Category 6A specifications.

2. Supports T568 A&B Wiring & Easy installation.

3. Offers total solution of 10G Category 6A Network Cabling System.

Application

• 10GBASE-T Ethernet • 1000BASE-TX Gigabit Ethernet • ATM CB1G • 1000BASE-T Gigabit Ethernet

• 100BASE-TX Fast Ethernet • 10BASE-TX Ethernet • 155/622 Mbps ATM • 100 Mbps TP-PMD
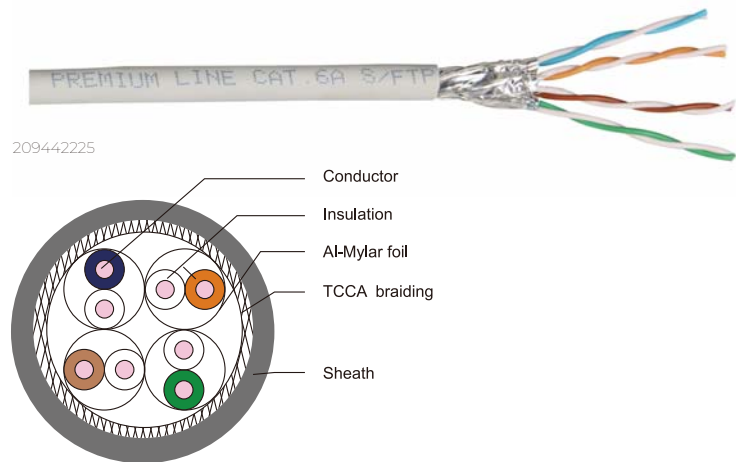
Installation Cable
Category 6A S/FTP 600MHz

Standards:
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-4-1
- IEC 61156-5 2nd Edition
- ANSI/TIA-568.2-D:2018
- IEC 60332-1-2
- IEC 60754-2
- CPR Class Eca, Dca (B2ca on request)

Application:
- 10G BASE-T Ethernet
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

209442225

Conductor
Insulation
Al-Mylar foil
TCCA braiding
Sheath

Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil Screen Around Each Pair
Braid	Material	Tinned Copper Covered Aluminum
Sheath	Material	LSOH
	Diameter	7.4± 0.3 mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥ 8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.1	1.7	74.3	100.0	72.3	97.0	67.8	90.0	64.8	87.0	20.0	30.0
4.0	3.8	3.4	65.3	100.0	63.3	97.0	55.8	90.0	52.8	87.0	23.0	33.0
10.0	5.9	5.0	59.3	100.0	57.3	97.0	47.8	90.0	44.8	87.0	25.0	35.0
16.0	7.5	6.4	56.2	100.0	54.2	97.0	43.7	90.0	40.7	87.0	25.0	35.0
20.0	8.4	7.1	54.8	100.0	52.8	97.0	41.8	90.0	38.8	87.0	25.0	35.0
31.25	10.5	9.0	51.9	100.0	49.9	97.0	37.9	90.0	34.9	87.0	23.6	33.6
62.5	15.0	13.0	47.4	100.0	45.4	97.0	31.9	85.0	28.9	82.0	21.5	31.5
100.0	19.1	16.8	44.3	98.0	42.3	95.0	27.8	81.0	24.8	78.0	20.1	30.1
200.0	27.6	23.9	39.8	93.0	37.8	90.0	21.8	77.0	18.8	74.0	18.0	28.0
250.0	31.1	28.5	38.3	92.1	36.3	89.1	19.8	76.0	16.8	73.0	17.3	27.3
300.0	34.3	29.2	37.1	91.0	35.1	88.0	18.3	71.0	15.3	68.0	16.8	27.3
400.0	40.1	33.4	35.3	89.1	33.3	86.1	15.8	68.1	12.8	65.1	15.9	27.3
550.0	47.6	37.2	33.2	87.3	31.2	84.3	13.0	33.2	10.0	63.1	14.9	27.3
600.0	50.0	42.5	32.7	86.1	30.7	83.1	12.3	60.0	9.3	57.0	14.6	27.3

Category 6A S/FTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
209442225	Category 6A S/FTP Installation Cable, 500m reel, LSOH, Grey	45(O.D)×29.8(H) cm

Other lengths, colors or PVC cables on request

Category 6A
Cabling Solutions

Installation Cable
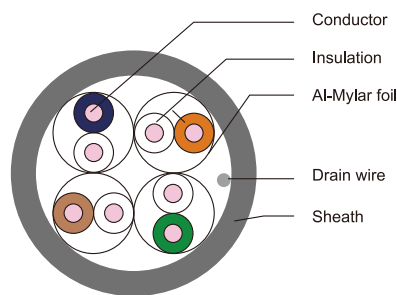### Category 6A U/FTP 600MHz

Standards:
- ISO/IEC 11801-1:2017 CLASS EA
- CENELEC EN 50288-10-1
- IEC 61156-5 2nd Edition
- ANSI/TIA-568.2-D:2018
- IEC 60332-1-2
- IEC 60754-2
- ETL Verified
- CPR Class Eca, Dca (B2ca on request)

Application:
- 10G BASE-T Ethernet
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

PREMIUM LINE CAT.6A U/FTP
209642225

- Conductor
- Insulation
- Al-Mylar foil
- Drain wire
- Sheath

Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil Screen Around Each Pair
Sheath	Material	PVC / LSOH
	Diameter	7.4 ± 0.3 mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥ 8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)		PSA ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	y p.	Nor.	Typ.
1.0	2.1	1.7	74.3	100.0	72.3	97.0	67.8	90.0	64.8	87.0	20.0	30.0	67.0	90.9	20.0	26.5
4.0	3.8	3.4	65.3	100.0	63.3	97.0	55.8	90.0	52.8	87.0	23.0	33.0	66.2	93.9	23.0	36.0
10.0	5.9	5.0	59.3	100.0	57.3	97.0	47.8	90.0	44.8	87.0	25.0	35.0	58.2	86.6	25.0	43.0
16.0	7.5	6.4	56.2	100.0	54.2	97.0	43.7	90.0	40.7	87.0	25.0	35.0	54.1	80.5	25.0	49.0
20.0	8.4	7.1	54.8	100.0	52.8	97.0	41.8	90.0	38.8	87.0	25.0	35.0	52.2	78.2	25.0	52.0
31.25	10.5	9.0	51.9	100.0	49.9	97.0	37.9	90.0	34.9	87.0	23.6	33.6	48.3	74.4	23.6	48.0
62.5	15.0	13.0	47.4	100.0	45.4	97.0	31.9	85.0	28.9	82.0	21.5	31.5	42.3	68.8	21.5	48.0
100.0	19.1	16.8	44.3	98.0	42.3	95.0	27.8	81.0	24.8	78.0	20.1	30.1	38.2	63.9	20.1	45.0
200.0	27.6	23.9	39.8	93.0	37.8	90.0	21.8	77.0	18.8	74.0	18.0	28.0	32.2	55.1	18.0	43.0
250.0	31.1	28.5	38.3	92.1	36.3	89.1	19.8	76.0	16.8	73.0	17.3	27.3	30.2	53.9	17.3	37.0
300.0	34.3	29.2	37.1	91.0	35.1	88.0	18.3	71.0	15.3	68.0	16.8	27.3	28.7	52.2	16.8	34.0
400.0	40.1	33.4	35.3	89.1	33.3	86.1	15.8	68.1	12.8	65.1	15.9	27.3	26.2	49.3	15.9	34.0
550.0	47.6	37.2	33.2	87.3	31.2	84.3	13.0	33.2	10.0	63.1	14.9	27.3	24.2	46.8	15.2	34.0
600.0	50.0	42.5	32.7	86.1	30.7	83.1	12.3	60.0	9.3	57.0	14.6	27.3	26.2	49.3	15.9	34.0

Category 6A U/FTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
209642225	Category 6A U/FTP Installation Cable, 500m reel, LSOH, Grey	45(A.D.)×29.8(H) cm

Other lengths, colors or PVC cables on request

Installation Cable
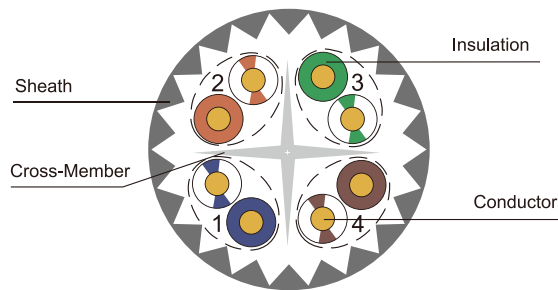## Category 6A U/UTP 500MHz

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-10-1
- IEC 61156-5 2nd Edition
- ETL Verified
- CPR Class Eca, Dca (B2ca on request)

Application:
- 10G BASE-T Ethernet
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

209141225

Insulation
Sheath
Cross-Member
Conductor

Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	HDPE
«+» Cross-Member	Material	PE
Sheath	Material	PVC/LSOH
	Diameter	7.5 ± 0.3mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Freq	Insertion Loss		NEXT		PS NEXT		ACR-F		PS ACR-F		Return Loss	
(MHz)	(dB)		(dB/100m)		(dB)		(dB)		(dB)		(dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.1	1.7	74.3	102.0	72.3	100.0	67.8	99.8	64.8	91.5	20.0	26.5
4.0	3.8	3.3	65.3	95.0	63.3	94.2	55.7	94.0	52.7	80.7	23.0	36.0
10.0	5.9	5.3	59.3	93.0	57.3	92.9	47.8	87.8	44.8	72.6	25.0	43.0
16.0	7.5	6.8	56.2	90.0	54.2	90.5	43.7	79.8	40.7	68.4	25.0	49.0
20.0	8.4	7.6	54.8	87.0	52.8	87.1	41.7	76.9	38.7	66.4	25.0	52.0
31.25	10.5	9.5	51.9	84.0	49.9	84.5	37.9	73.1	34.9	62.9	23.6	48.0
62.5	15.0	13.7	47.4	82.0	45.4	82.3	31.8	68.3	28.8	56.3	21.5	48.0
100.0	19.1	17.5	44.3	77.0	42.3	77.9	27.8	63.1	24.8	51.8	20.1	45.0
200.0	27.6	25.1	39.8	74.0	37.8	74.2	21.7	50.3	18.7	46.9	18.0	43.0
250.0	31.1	28.1	38.3	72.0	36.3	72.3	19.8	50.7	16.8	44.2	17.3	37.0
300.0	34.3	30.9	37.1	70.0	35.1	69.3	18.2	49.2	15.2	42.1	16.8	34.0
400.0	40.1	36.1	35.3	68.0	33.3	68.1	15.7	44.2	12.7	41.3	15.9	34.0
500.0	45.3	40.5	33.8	66.0	31.8	65.9	13.8	41.3	10.8	39.5	15.2	34.0

Category 6A U/UTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
209141225	Category 6A U/UTP Installation Cable, 500 m reel, PVC, 500 MHz, Grey	50(O.D)×34(H) cm
209142225	Category 6A U/UTP Installation Cable, 500 m reel, LSOH, 500 MHz, Grey	50(O.D)×34(H) cm

Other lengths, colors or PVC cables on request

Category 6A
Cabling Solutions

Installation Cable
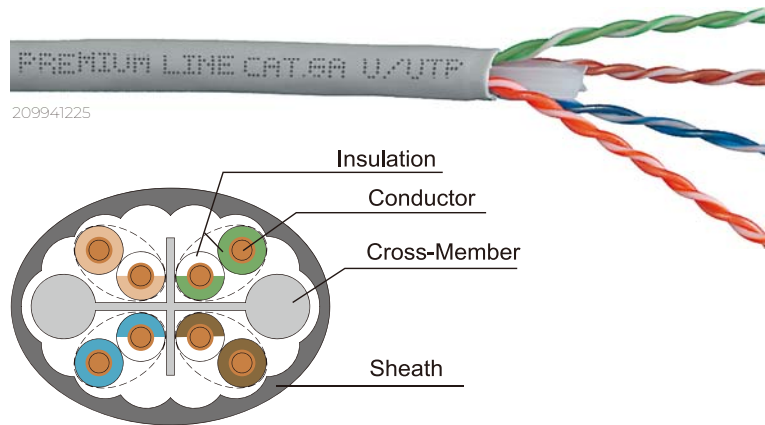### Category 6A U/UTP 500MHz

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-10-1
- IEC 61156-5 2nd Edition
- ETL Verified
- CPR Class Eca, Dca (B2ca on request)

Application:
- 10G BASE-T Ethernet
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

209941225

Insulation
Conductor
Cross-Member
Sheath

Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	HDPE
«+» Cross-Member	Material	PE
Sheath	Material	PVC/LSOH
	Diameter	10.5 x 7.0mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		PSA NEXT (dB)		ACR-F (dB)		PS ACR-F (dB)		PSA ACR-F (dB)		Return Loss (dB)	
	Nor.	vp.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	YP-	Nor.	y p.	Nor.	Typ.
1.0	2.1	1.7	74.3	102.0	72.3	100.0	67.0	92.7	67.8	99.8	64.8	91.5	67.0	90.9	20.0	26.5
4.0	3.8	3.3	65.3	95.0	63.3	94.2	67.0	95.3	55.7	94.0	52.7	80.7	66.2	93.9	23.0	36.0
10.0	5.9	5.3	59.3	93.0	57.3	92.9	67.0	99.7	47.8	87.8	44.8	72.6	58.2	86.6	25.0	43.0
16.0	7.5	6.8	56.2	90.0	54.2	90.5	67.0	100.1	43.7	79.8	40.7	68.4	54.1	80.5	25.0	49.0
20.0	8.4	7.6	54.8	87.0	52.8	87.1	67.0	98.3	41.7	76.9	38.7	66.4	52.2	78.2	25.0	52.0
31.25	10.5	9.5	51.9	84.0	49.9	84.5	67.0	98.4	37.9	73.1	34.9	62.9	48.3	74.4	23.6	48.0
62.5	15.0	13.7	47.4	82.0	45.4	82.3	65.6	99.4	31.8	68.3	28.8	56.3	42.3	68.8	21.5	48.0
100.0	19.1	17.5	44.3	77.0	42.3	77.9	62.5	94.7	27.8	63.1	24.8	51.8	38.2	63.9	20.1	45.0
200.0	27.6	25.1	39.8	74.0	37.8	74.2	58.0	91.3	21.7	50.3	18.7	46.9	32.2	55.1	18.0	43.0
250.0	31.1	28.1	38.3	72.0	36.3	72.3	56.5	89.4	19.8	50.7	16.8	44.2	30.2	53.9	17.3	37.0
300.0	34.3	30.9	37.1	70.0	35.1	69.3	55.3	56.9	18.2	49.2	15.2	42.1	28.7	52.2	16.8	34.0
400.0	40.1	36.1	35.3	68.0	33.3	68.1	53.5	85.3	15.7	44.2	12.7	41.3	26.2	49.3	15.9	34.0
500.0	45.3	40.5	33.8	66.0	31.8	65.9	52.0	83.2	13.8	41.3	10.8	39.5	24.2	46.8	15.2	34.0

Category 6A U/UTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
209941225	Category 6A U/UTP Installation Cable, 500m reel, PVC, Grey	45(O.D)×29.8(H) cm
209942225	Category 6A U/UTP Installation Cable, 500m reel, LSOH, Grey	45(O.D)×29.8(H) cm

Other lengths, colors or PVC cables on request

Keystone Jack

Category 6A 180° Shielded Die-casting Keystone Jack, Slim Type

Premium-Line 180° Category 6A shielded die-casting keystone jack in our new upgrade design, fully achieves the component standard ISO/IEC 11801-1:2017. Extra 30% permanent link headroom margin guaranteed compared to traditional Category 6A products and links, and it's also the best choice to support IEEE 802.3an 10G applications.

- Category 6A module, ISO/IEC 11801-1:2017 compliant
- Slim design gains the module fitting with all kinds of modular outlet/panel
- Short link 3 connectors ISO 11801 Permanent Link Tested
- Higher performance guarantees high data traffic and even expanding
- 100% test and report attached, quality assured and easy indicate
- For Datacenter horizontal crossconnect fast jumper to Inter-crossconnect
- Fast deployment for expanding and maintenance
- Shutter is optional
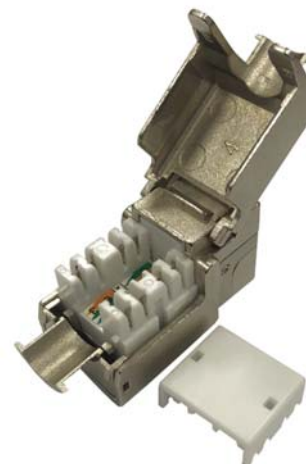
Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze
Shielded Cover	50~60μ inch nickel plated over zinc alloy

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

109824010

Applications
• 10GBASE-T Ethernet
• 1000BASE-Tx Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-Tx Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

109924010

All the products are verified to the electrical characteristics required in the directive.

Category 6A 180° Shielded Die-casting Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
109824010	Category 6A 180° Shielded Die-casting Keystone Jack, Slim type	53.8×35.2×27cm
109924010	Category 6A 180° Shielded Die-casting Keystone Jack, Slim type, with shutter	53.8×35.2×27cm

Category 6A
Cabling Solutions

Keystone Jack

Category 6A 90° Shielded Die-casting Keystone Jack, Slim Type

- Conform to ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class EA specifications
- Die-casting design for optimal EMI protection
- Slim size is ideal for interfaces where the spaces are tight
- Multi-nodes consolidation cord, reliable end to end solution & high data traffic applications
- Terminate with 110 tools
- Free scissor attached per carton, for excessive cable cut and avoid field termination failure on «short»
- RoHS compliant

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plated over nickel plated in contact area
IDC	100μ inch nickel plated over phosphor bronze
Shielded Cover	50~60μ inch nickel plated over zinc alloy

Electrical Characteristics	
Dielectrical Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Industrial Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C to +60°C
Humidity	10%~90%; non condensing

Applications
• 10GBASE-T Ethernet
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

All the products are verified to the electrical characteristics required in the directive.

Category 6A 90° Shielded Die-casting Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
109813010	Category 6A 90° Shielded Die-casting Keystone Jack, Slim type	53.8×35.2×27cm

Unshielded Keystone Jack

Category 6A 180° Unshielded Toolless Keystone Jack, Slim Type

Premium-Line Cat.6A 180° unshielded toolless keystone jack guarantees real ISO/IEC 11801-1:2017 short link performance, passes the permanent link test with the length of 2m, supports T568 A&B wiring.

Physical Characteristics	
Housing	PC, UL94 V-0
Jack	Phosphor bronze, 50μ inch gold plating over Nickel
IDC	100μ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

109324010

| Applications |
|---|
| • 10GBASE-T Ethernet |
| • 1000BASE-TX Gigabit Ethernet |
| • 1000BASE-T Gigabit Ethernet |
| • 100BASE-TX Fast Ethernet. |
| • 10BASE-T Ethernet. |
| • Voice, Video and other applications. |

Category 6A 180° Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
109324010	Category 6A 180°Unshielded Toolless Keystone Jack, Slim Type, White	53.8x35.2x27cm

Unshielded Keystone Jack

Category 6A 180° Unshielded Keystone Jack _____

Premium-Line 180 ° unshielded keystone jack is in classical design, compatible with all Premium-Line unloaded module. The dual type IDC accepts 22-26 AWG solid cables, easy terminated with 110 or Krone tools, supports T568 A&B wiring.

Physical Characteristics	
Housing	PC, UL94 V-0
Jack	Phosphor bronze, 50μ inch gold plating over nickel
IDC	100μ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 10GBASE-T Ethernet
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

109121010
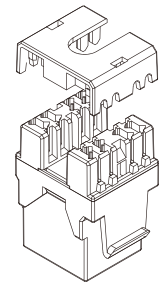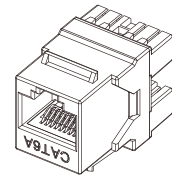
Category 6A 180° Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
109121010	Category 6A 180° Unshielded Keystone Jack, Dual Type IDC, White	53.8x35.2x27cm
171022402	24port High Density Unloaded Patch Panel for Unshielded Keystone Jacks, Black	50.4x24.5x25.4cm
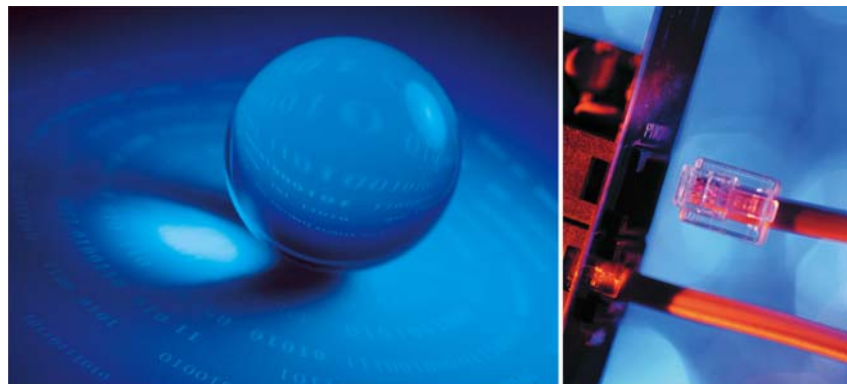
Patch Panel

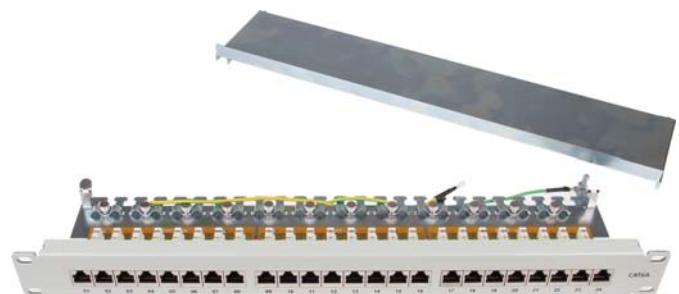**Category 6A 1U Shielded Patch Panel** _____

Premium-Line Category 6A fully shielded provides protection from EMI and alien crosstalk. It complies with ANSI/TIA-568.2-D:2018, EN 50173-1 and ISO/IEC 11801-1:2017 Class E$_A$ specifications, supports T568 A&B wiring and easy installation.
The complete module complies with EU RoHS directive. The construction in standard 1U 19" size suits all 19" rack installation. The main metal frame and rear back cover are made of SECC material, with a thickness over 1.0mm.

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze
Shielded Cover	50~60μ inch nickel plated over zinc alloy

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 10GBASE-T Ethernet
• 1000BASE-Tx Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-Tx Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

179212419

All the products are verified to the electrical characteristics required in the directive.

Category 6A 1U Shielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
179212412	Category 6A 90° 1U Shielded Patch Panel, Dual Type IDC, 24 Ports, Black	50.5×27.9×27 cm
179212419	Category 6A 90° 1U Shielded Patch Panel, Dual Type IDC, 24 Ports, RAL7035	50.5×27.9×27 cm

Other colors on request

Category 6A
Cabling Solutions

Patch Panel
Category 6A 0.5U Shielded Patch Panel

Premium-Line Category 6A 0.5U shielded patch panel provides high density solutions which simplify and speed up the deployment and servicing. It is designed to provide maximum flexibility and high performance for all 10G networks. Performance conforms to proposed Cat.6A Permanent Link/Channel requirement of ANSI/TIA-568.2-D:2018, EN 50173-1 and ISO/IEC 11801-1:2017 Class E$_A$ specifications.
Premium-Line Category 6A 0.5U shielded patch panel is in standard 19" but in 0.5U size on the purpose of saving rack space. There are 24 ports in 0.5U or 48 ports in 1U with performance for 10 Gigabit Ethernet can be used and that it is compliant with the standards for data centers ANSI /TIA-942 and ISO/IEC 11801-5:2017.

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze
Shielded Cover	50~60μ inch nickel plated over zinc alloy

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	10MΩ Min.
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 10GBASE-T Ethernet
• 1000BASE-Tx Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-Tx Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

179272412

All the products are verified to the electrical characteristics required in the directive.

Category 6A 0.5U Shielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
179272412	Category 6A 90° 0.5U Shielded Patch Panel, Dual Type IDC, 24-Ports, black	54×25×23.5 cm
179272419	Category 6A 90° 0.5U Shielded Patch Panel, Dual Type IDC, 24-Ports, RAL7035	54×25×23.5 cm

Other colors on request

Patch Panel

Cat.6A 180° Unshielded Patch Panel

Premium-Line Category 6A unshielded patch panel complies with ANSI/TIA-568.2-D:2018, EN 50173-1 and ISO/IEC 11801-1:2017 Class E$_A$ specifications.
The complete module complies with EU RoHS directive.
The construction in standard 1U 19" size, suits all 19" rack installation. The main metal frame is made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product is available in 24 ports (1U).

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 10GBASE-T Ethernet
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

All the products are verified to the electrical characteristics required in the directive.

179122412

Cat.6A 180 ° Unshielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
179122412	Category 6A 180° unshielded patch panel, dual type IDC, 1U,24 ports,black	50x24.5x25.5cm

Modular Patch Panel

1U 24port Angled Modular Patch

Features:
- Angled design saving space of frontal cable management bar
- For passive racks, easy identification from standard design, benefits for important links wiring
- Easy click on management bar, high strength affordable
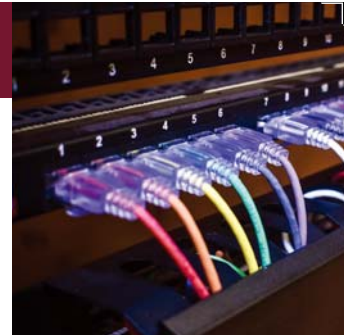- Remarkable Labeling holder for management

170262402

1U 24port Angled Modular Patch Panel

| PART NO.	DESCRIPTION	PACKING SIZE
170262402	1U 24port angled modular patch panel with cable management, black	57x29x30cm

Category 6A
Cabling Solutions

Patch Cord
Category 6A S/FTP Patch Cord

Premium-Line Category 6A S/FTP patch cord supports whole link achieves Class EA 500MHz 10G channel applications.
To realize the high performance, the cable is coming with two shielding layers. Each pair is wrapped by individual Aluminum-Mylar film, to eliminate the near end pair to pair interferences.
Again a tinned copper braid laid over the inner structure, provides protection against outside EMI interferences.
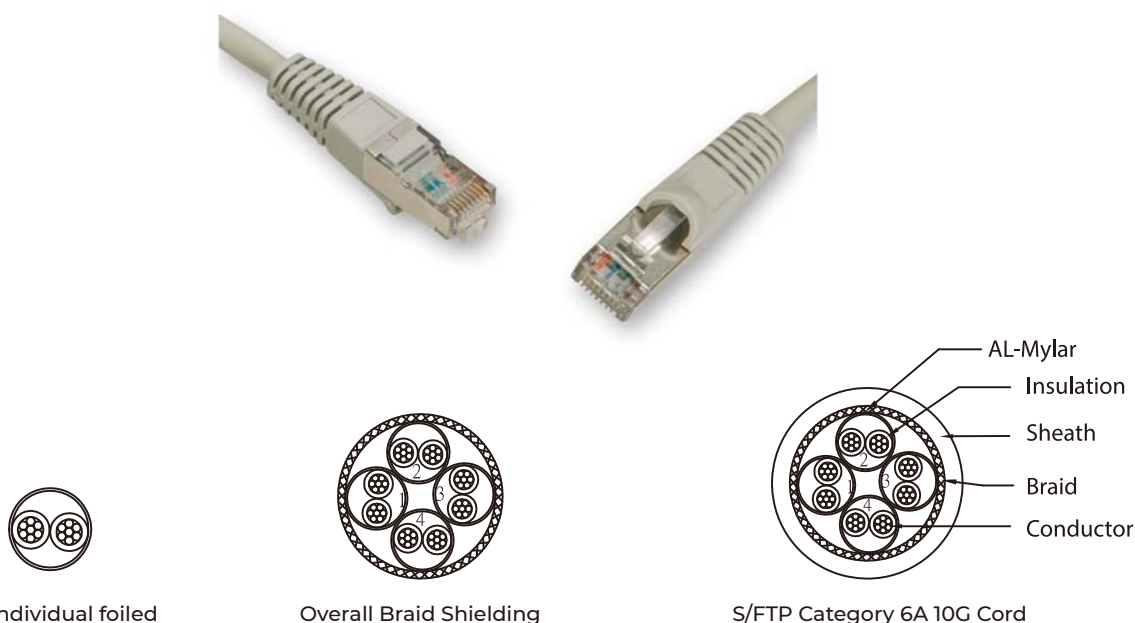
Pair Individual foiled   Overall Braid Shielding   S/FTP Category 6A 10G Cord

Construction

Conductor	Material / size	Bare Copper / 26 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An Aluminum Foil Screen Around Each Pair
Braid	Material	Tinned Copper
Sheath	Material	PVC / LSOH
	Diameter	5.7± 0.3 mm

Category 6A S/FTP Patch Cord, LSOH

Length	Grey	Green	Blue	Red	Yellow
0,5 m	182420055	182420056	182420054	182420053	182420058
1 m	182420105	182420106	182420104	182420103	182420108
2 m	182420205	182420206	182420204	182420203	182420208
3 m	182420305	182420306	182420304	182420303	182420308
5 m	182420505	182420506	182420504	182420503	182420508
7 m	182420705	182420706	182420704	182420703	182420708
10 m	182421005	182421006	182421004	182421003	182421008

Other lengths, colors or PVC cables on request

Patch Cord

Category 6A U/FTP Patch Cord

Premium-Line Category 6A U/FTP system patch cord is designed for the high level project use. Compatible with the patch panel, keystone jack and installation cable, to constitute excellent channel performance. Compliant with Cat.6A standards as ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 Class EA and EN 50173-1.

Construction

Conductor	Material / size	Bare Copper / 26 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair
Braid	Material	Stranded Tinned Copper
Sheath	Material	PVC / LSOH
	Diameter	6.0±0.2mm

Category 6A U/FTP Patch Cord, PVC

Length	Grey	Green	Blue	Red	Yellow
0.5 m	182810055	182810056	182810054	182810053	182810058
1 m	182810105	182810106	182810104	182810103	182810108
2 m	182810205	182810206	182810204	182810203	182810208
3 m	182810305	182810306	182810304	182810303	182810308
5 m	182810505	182810506	182810504	182810503	182810508
7 m	182810705	182810706	182810704	182810703	182810708
10 m	182811005	182811006	182811004	182811003	182811008

Other lengths, colors or halogen free cables on request

Category 6A
Cabling Solutions

Patch Cord
Category 6A U/UTP Patch Cord

Premium-Line Category 6A U/UTP patch cord supports the whole channel transmission as per standard ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class EA specifications. The patch cord is finished with snag proof boot.

Construction

Conductor	Material / size	Bare Copper / 24 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	7.5±0.3mm

Category 6A U/UTP Patch Cord, PVC

Length	Grey	Green	Blue	Red	Yellow
0.5 m	182110055	182110056	182110054	182110053	182110058
1 m	182110105	182110106	182110104	182110103	182110108
2 m	182110205	182110206	182110204	182110203	182110208
3 m	182110305	182110306	182110304	182110303	182110308
5 m	182110505	182110506	182110504	182110503	182110508
7 m	182110705	182110706	182110704	182110703	182110708
10 m	182111005	182111006	182111004	182111003	182111008

Other lengths, colors or halogen free cables on request

Flexible Consolidation Point Cable
Class E$_A$ 10G CP Cable

Flexible consolidation point cables are popular in horizontal cabling system, with its featured characteristic – Easy and Fast Deployment – is realized by professional IT staff, and it's applied in many occasions and places, like ZDA to EDA in datacenter, open office easy and quick expanding nodes, extensions in horizontal cabling etc.
Premium-Line offers Class EA 10G CP cable which is 100% through factory Short Link 3 Connectors ISO 11801 Permanent Link tested and verified with features as,

• Flexible patch cable
• RJ45 plug to keystone jack (109824010)
• Optional keystone upon choice
• Factory terminated and tested
• Available length 5m, 7m, 10m, 20m
• Test service and results attached

Class E$_A$ S/FTP CP Cable, LSOH

Length	Grey	Orange
5 m	71942050520	71942050020
7 m	71942070520	71942070020
10 m	71942100520	71942100020
20 m	71942200520	71942200020

premium® line

3P THIRD PARTY TESTING

ETL VERIFIED
Intertek

- *Installation cable*
  Category 6 U/FTP 450MHz
  Category 6 F/UTP 250MHz
  Category 6 U/UTP 250MHz

- *Keystone Jack*
  Category 6 Shielded Keystone Jack
  Category 6 Shielded Die-Casting Keystone Jack
  Category 6 90° & 180° Unshielded Keystone Jack
  Category 6 90° Unshielded Slim Keystone Jack
  Category 6 180° Unshielded Shutter Type Keystone Jack

- *Modular Patch Panel*
  High Density Unloaded Patch Panel

- *Patch Panel*
  Category 6 1U & 0.5U Shielded Patch Panel
  Category 6 Unshielded Patch Panel
  Category 6 Labeling Holder Panel
  Category 6 0.5U/24 Port & 1U/48 Port Unshielded Patch Panel

- *Patch Cord*
  Category 6 S/FTP Patch Cord
  Category 6 U/UTP System Patch Cord
  Category 6 U/UTP Retail Patch Cord
  Category 6 U/UTP Slimline Patch Cord

- *Flexible Consolidation Point Cable*
  Category 6 U/UTP CP Cable

Category 6 Cabling Solutions

Todays applications require a cost effective and reliable base for communication. Premium-Line offers for this market segment Category 6 Cabling Solutions in shielded and unshilded form.

Solutions and Components

Currently, the Category 6 solution is the most popular in the structural cabling. Premium-Line has been the high quality source in the global market since it has become a trend. With the comprehensive product range, we supply components – communication cables, keystone jacks, compact outlets, patch panels, patch cables... the complete solutions and system warranty. The solution performance and all products have been verified and approved by third party laboratory – «3P» and «ETL». Successfully implemented on many sites and systematically tunning of the products our customers can be assured receiving price performance.

Our Quality Guarantee

The preconditions for high level channel in the projekt is to make sure each component has a compatible impedance. Therefore the best solution is to use same brand products with excellent performance.

Premium-Line offers you complete Category 6 system solutions which fulfill these requirements, also with the internal specific definition and qualification procedure for each single component is right on the purpose to ease the installation with good and convincible field test results.

Be Our 25 Years Warranty Member

To guide and support companies, which use complete Premium-Line brand owned products, we offer a 25 year warranty. Premium-Line s offering distributor and installer trainings and certifications. With this certificate, all holders are applied for a 25 year quality warranty and service.

Project Support

Our sales team will give you insight on our marketing strategy and keeps you informed about success stories and application stories worldwide.

This information will give you key information for succeeding in bids. Our international purchasing team will provide you with the specific products to make your supply chain simple and straightforward.

Installation Cable

Category 6 U/FTP 450MHz

Premium-Line Category 6 components comply with requirements as per standard ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017, EN 50173-1, these consist of compete Category 6 channel to fully support the corresponding protocols & communication services.

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1
- Flame retardancy according to IEC 60332-1-2
- CPR Class Eca, Dca (B2ca on request)

Application:
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice
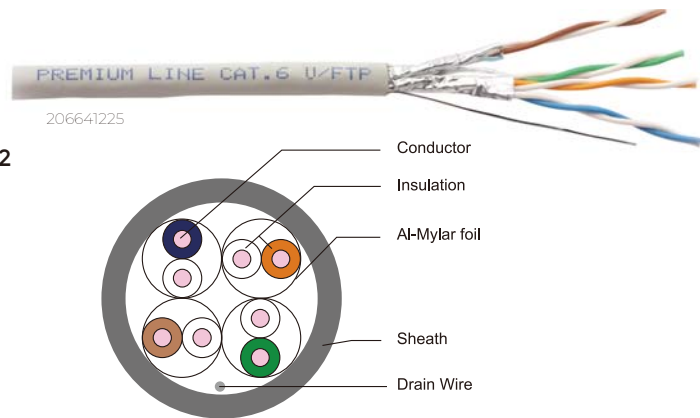
Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil Screen Around Each Pair
Drain Wire	Material	Stranded Tinned Copper / 26AWG
Sheath	Material	PVC / LSOH
	Diameter	7.2± 0.3 mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥ 8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		PS ACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.1	1.8	74.3	87.3	72.3	85.3	72.2	85.5	70.2	83.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	78.3	63.3	76.3	61.4	74.8	59.4	72.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	72.3	57.3	70.3	53.3	66.7	51.3	64.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	69.2	54.2	67.2	48.6	62.1	46.6	60.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	67.8	52.8	65.8	46.2	59.9	44.2	57.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	64.9	49.9	62.9	41.1	54.9	39.1	52.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	60.4	45.4	58.4	31.9	46.0	29.9	44.0	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	57.3	42.3	55.3	24.4	38.7	22.4	36.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.8	24.1	41.2	54.2	39.2	52.2	15.5	230.1	13.5	28.1	23.7	40.7	20.0	35.7	18.7	31.0
200.0	29.0	26.8	39.8	52.8	37.8	50.8	10.6	26.0	8.6	24.0	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	51.3	36.3	49.3	5.3	20.8	3.3	18.8	19.8	37.0	16.8	31.8	17.3	29.0
300.0*	—	33.7	—	50.0	—	48.1	—	16.3	—	14.4	—	36.0	—	30.0	—	27.0
450.0*	—	43.3	—	48.5	—	45.3	—	5.2	—	2.0	—	30.0	—	25.0	—	24.0

*Values for frequencies above industry requirements are for information only

Category 6 U/FTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
206641225	Category 6 U/FTP Installation Cable, 500m reel, PVC, Grey	50(O.D)×31(H) cm
206642225	Category 6 U/FTP Installation Cable, 500m reel, LSOH, Grey	50(O.D)×31(H) cm

Category 6
Cabling Solutions

Installation Cable
### Category 6 F/UTP 250MHz

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50173-1
- CENELEC EN 50288-5-1,
- Flame retardancy is verified according to IEC 60332-1-2.
- CPR Class Eca, Dca (B2ca on request)

Application:
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

206241125

Insulation
Conductor
Mylar
Drain-Wire
Al-Mylar
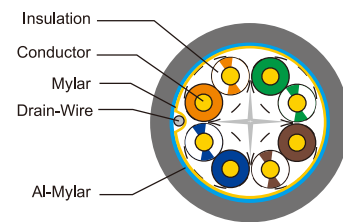
Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	7.4± 0.4 mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥ 8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		PS ACR (dB)		ACR-F (dB)		PS ACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.1	1.8	74.3	82.3	72.3	77.3	72.2	80.5	70.2	75.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	73.3	63.3	68.3	61.4	69.8	59.4	64.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	67.3	57.3	62.3	53.3	61.7	51.3	56.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	64.2	54.2	59.2	48.6	57.1	46.6	52.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	62.8	52.8	57.8	46.2	54.9	44.2	49.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	59.9	49.9	54.9	41.1	49.9	39.1	44.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	55.4	45.4	50.4	31.9	41.0	29.9	36	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	52.3	42.3	47.3	24.4	33.7	22.4	28.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.9	24.1	41.2	49.2	39.2	44.2	15.5	25.1	13.5	20.1	23.7	40.7	20	35.7	18.7	31.0
200.0	29.0	26.8	39.8	47.8	37.8	42.8	10.6	21.0	8.6	15.2	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	46.3	36.3	40.3	5.3	15.8	3.3	10.8	19.8	37	16.8	31.8	17.3	29.0

Category 6 F/UTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
206241125	Category 6 F/UTP Installation Cable, 500m reel, PVC, Grey	37×37×21 cm
206242125	Category 6 F/UTP Installation Cable, 500m reel, LSOH, Grey	37×37×21 cm

Installation Cable
Category 6 U/UTP 250MHz

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50173-1
- CENELEC EN 50288-6-1,
- Flame retardancy is verified according to IEC 60332-1-2.
- 3P Verified
- ETL Verified
- CPR Class Eca, Dca (B2ca on request)

Application:
- 1000BASE-TX (Gigabit Ethernet)
- 1000BASE-T (Gigabit Ethernet)
- 100BASE-TX Fast Ethernet
- 10BASE-T Ethernet
- Voice

206141115
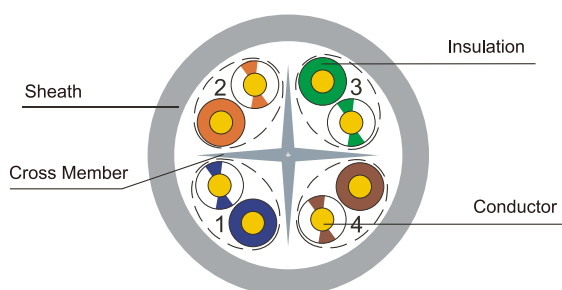
Insulation
Sheath
Cross Member
Conductor

Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
Sheath	Diameter	6.2± 0.3 mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥ 8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

(MHz)	(dB)		(dB/100m)		(dB)		(dB)		(dB)		(dB)		(dB)		(dB)	
	Nor.		Typ.		Nor.		Typ.		Nor.		Typ.		Nor.		Typ.	
1.0	2.1	1.8	74.3	82.3	72.3	77.3	72.2	80.5	70.2	75.5	67.8	84.8	64.8	79.8	20.0	29.0
4.0	3.8	3.5	65.3	73.3	63.3	68.3	61.4	69.8	59.4	64.8	55.8	72.8	52.8	67.8	23.0	32.0
10.0	6.0	5.6	59.3	67.3	57.3	62.3	53.3	61.7	51.3	56.7	47.8	64.8	44.8	59.8	25.0	38.0
16.0	7.6	7.1	56.2	64.2	54.2	59.2	48.6	57.1	46.6	52.1	43.7	60.7	40.7	55.7	25.0	34.0
20.0	8.5	7.9	54.8	62.8	52.8	57.8	46.2	54.9	44.2	49.9	41.8	58.8	38.8	53.8	25.0	34.0
31.25	10.8	10.0	51.9	59.9	49.9	54.9	41.1	49.9	39.1	44.9	37.9	54.9	34.9	49.9	23.6	32.0
62.5	15.5	14.4	47.4	55.4	45.4	50.4	31.9	41.0	29.9	36	31.9	48.9	28.9	43.9	21.5	32.0
100.0	19.9	18.6	44.3	52.3	42.3	47.3	24.4	33.7	22.4	28.7	27.8	44.8	24.8	39.8	20.1	32.0
160.0	25.9	24.1	41.2	49.2	39.2	44.2	15.5	25.1	13.5	20.1	23.7	40.7	20	35.7	18.7	31.0
200.0	29.0	26.8	39.8	47.8	37.8	42.8	10.6	21.0	8.6	15.2	21.8	38.8	18.8	33.8	18.0	29.0
250.0	33.0	30.5	38.3	46.3	36.3	40.3	5.3	15.8	3.3	10.8	19.8	37	16.8	31.8	17.3	29.0
250.0	33.0	30.5	38.3	51.3	36.3	49.3	5.3	20.8	3.3	18.8	19.8	37.0	16.8	31.8	17.3	29.0

Category 6 U/UTP Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
206141115	Category 6 U/UTP Installation Cable, 305m box, PVC, Grey	42×42×21 cm
206142115	Category 6 U/UTP Installation Cable, 305m box, LSOH, Grey	42×42×21 cm

Category 6
Cabling Solutions

Keystone Jack

Category 6 Shielded Keystone Jack

Premium-Line 90° shielded keystone jack in fully shielded design, optimizes shield effectiveness protection from EMI. Dual IDC connector can accept 22-26 AWG solid cables, supports T568 A&B wiring, and it uses 110 or Krone tools for termination.

Premium-Line Category 6 shielded keystone jack performance conforms to ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN50173-1 Category 6 specifications, supports the channel link bandwidth up to 250MHz.

Physical Characteristics	
Jack	Phosphor bronze, 50µ inch gold plating over nickel in contact area
IDC	100µ inch nickel plated over phosphor bronze
Shielded Cover	50~60µ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

106211010

Applications
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

All the products are verified to the electrical characteristics required in the directive.

Category 6 Shielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106211010	Category 6 90° Shielded Keystone Jack, Dual Type IDC	53.8×35.2×27 cm

Keystone Jack
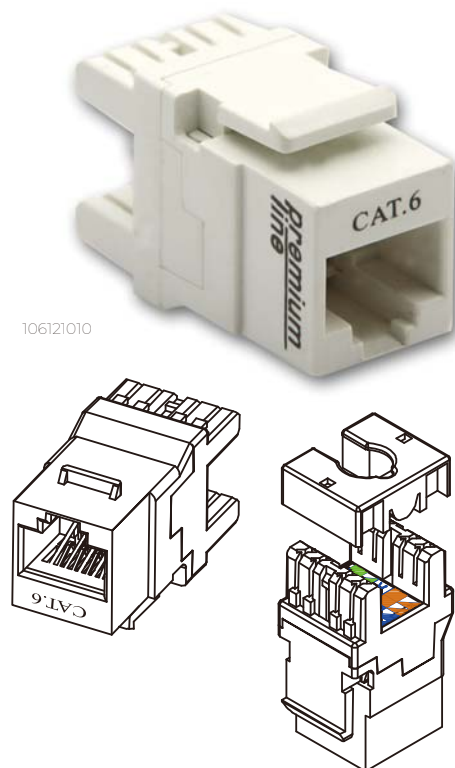
Category 6 Shielded Die-Casting Keystone Jack

Premium-Line 180° shielded die-casting keystone jack in special design for optimal EMI protection. Toolless design does not need additional tools for termination, supports T568 A&B wiring.

Physical Characteristics	
Body Material	Housing: PC, UL94 V-0 Body: zine die-casting
Jack Contact	Phosphor bronze, 50µ inch gold plated over nickel
IDC Contacts	100µ inch nickel plated over phosphor bronze

| Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

106524010

Applications
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

All the products are verified to the electrical characteristics required in the directive.

Category 6 Shielded Die-Casting Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106524010	Category 6 180° Shielded Die-Casting Keystone Jack	42×41×38 cm
170242402	High Density Shielded Unloaded Patch Panel with Cable Management	50.5×27.9×27 cm

Category 6
Cabling Solutions

Keystone Jack

Category 6 90° Unshielded Keystone Jack

Premium-Line 90° unshielded keystone jack is in classical design, the dual type IDC accepts 22-26 AWG solid cables, easy terminated with 110 or Krone tools, supports T568 A&B wiring.
With its good & stable performance, this module earns the good sales result in the market.

Physical Characteristics	
Housing	PC, UL94 V-0
Jack Contact	Phosphor bronze, 50µ inch gold plated over nickel
IDC Contacts	100µ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

106111010

All the products are verified to the electrical characteristics required in the directive.

Category 6 Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106111010	Category 6 90° Unshielded Keystone Jack, Dual Type IDC, White	53.8×35.2×27 cm

Keystone Jack

Category 6 180° Unshielded Keystone Jack

Premium-Line 180° unshielded keystone jack is in classical design, it's compatible with all Premium-Line unloaded modules. The dual type IDC accepts 22-26 AWG solid cables, easy terminated with 110 or Krone tools, supports T568 A&B wiring.
With its good & stable performance, this module earns the good sales result in the market.

Physical Characteristics	
Body Material	Housing: PC, UL94 V-0
Jack Contact	Phosphor bronze, 50µ inch gold plated over nickel
IDC Contacts	100µ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

106121010

All the products are verified to the electrical characteristics required in the directive.

Category 6 Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106121010	Category 6 180° Unshielded Keystone Jack, Dual Type IDC, White	53.8×35.2×27 cm
171022402	24port High Density Unloaded Patch Panel for Unshielded Keystone Jacks, Black	50.4×24.5×25.4 cm
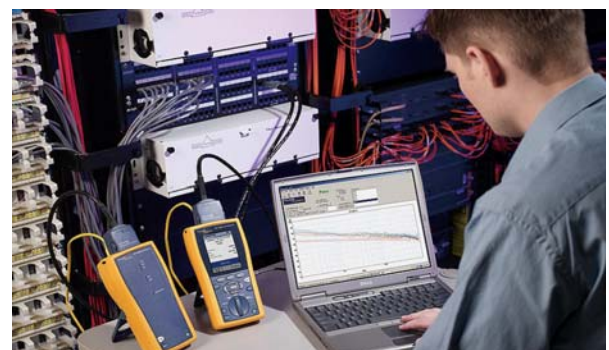
Category 6
Cabling Solutions

Keystone Jack
Category 6 90° Unshielded Slim Keystone Jack

Premium-Line Category 6 90° unshielded slim keystone jack is the mini type of standard 90° unshielded keystone jack as its naming. All inner construction and characteristics are same as normal one.

Physical Characteristics	
Housing	PC, UL94 V-0
Jack Contact	Phosphor bronze, 50μ inch gold plated over nickel
IDC Contacts	100μ inch nickel plated over phosphor bronze

Applications
• 1000BASE-TX Gigabit Ethernet.
• 1000BASE-T Gigabit Ethernet.
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

106311010

Keystone Jack
Category 6 180° Unshielded Shutter Type Keystone Jack

Premium-Line Category 6 180° unshielded shutter type keystone jack is ideally designed to protect jack against ingress of dirt, ease the work in field installation and future ports management. The rest is same as standard 180° keystone module, supports easy termination, accepts 22-26 AWG solid cables, supports T568 A&B wiring. The finish product complies with EU RoHS directive.

Physical Characteristics	
Housing	PC, UL94 V-0
Jack Contact	Phosphor bronze, 50μ inch gold plated over nickel
IDC Contacts	100μ inch nickel plated over phosphor bronze

Applications
• 1000BASE-TX Gigabit Ethernet.
• 1000BASE-T Gigabit Ethernet.
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

106721010

All the products are verified to the electrical characteristics required in the directive.

Category 6 Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106311010	Category 6 90° Unshielded Slim Keystone Jack, Dual Type IDC	42.4×35.2×24 cm
106721010	Category 6 180° Unshielded Slim Shutter Keystone Jack	53.8×35.2×27 cm

Modular Patch Panel
High Density Unloaded Patch Panel

Premium-Line unshielded compact unloaded patch panel is in dedicated design to adopt Premium-Line 180° unshielded keystone jack or 90° slim keystone jack, to meet different place use intentions. Each port has sequence numbering, plastic labeling remark and above markable position, for future port identification or re-management. Main body is made of single complete steel plate, finished in 1U 19" size, suits for all standard 19" rack installation.

171022402

All the products are verified to the electrical characteristics required in the directive.

High Density Unloaded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
171022402	24port High Density Unloaded Patch Panel for 180°Unshielded & 90° Unshielded Slim Keystone Jacks(P/N 109121010,106121010,106311010,106391010, 106621010,106621020,106721010,105311010,105121010, 109324010), Black	50.4×24.5×25.4 cm
195030002	Cable Management Bar, Screw Type, Black	50.5×27.9×27 cm

Category 6
Cabling Solutions
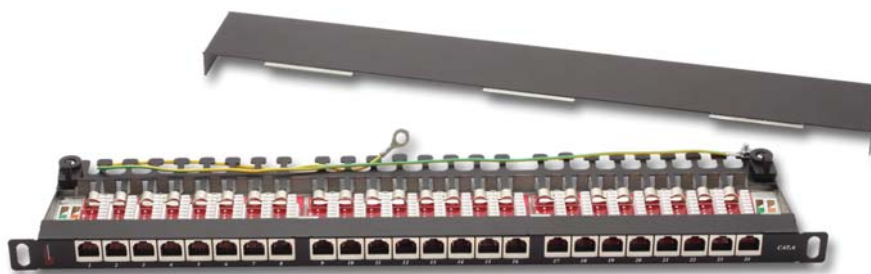
Patch Panel
Category 6 1U Shielded Patch Panel

Premium-Line Category 6 shielded patch panel comply with ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class E specifications. The complete module complies with EU RoHS directive.
The construction in standard 1U 19" size suits all 19" rack installation. The main metal frame and rear back cover are made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product is available in black or light gray RAL7035 color.

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze
Shielded Cover	50~60μ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

All the products are verified to the electrical characteristics required in the directive.

176212412

Category 6 1U Shielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
176212412	Category 6 24port Shielded Patch Panel, Dual Type IDC, Black	50.5×27.9×27 cm
176212419	Category 6 24port Shielded Patch Panel, Dual Type IDC, RAL7035	50.5×27.9×27 cm

Patch Panel

Category 6 0.5U Shielded Patch Panel

Premium-Line Category 6 0.5U shielded patch panel complies with ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class E specifications. The complete module complies with EU RoHS directive.
The construction is in standard 19" but in 0.5U size, this is the only difference from Premium-Line 1U shielded patch panel on the purpose of rack space saving. The main metal frame and rear back cover are made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product available in black or light gray RAL7035 color.

Physical Characteristics		Applications
Jack	Phosphor bronze, 50µ inch gold plating over nickel in contact area	• 1000BASE-TX Gigabit Ethernet
IDC	100µ inch nickel plated over phosphor bronze	• 1000BASE-T Gigabit Ethernet
Shielded Cover	50~60µ inch nickel plated over phosphor bronze	• 100BASE-TX Fast Ethernet

Electrical Characteristics		
Dielectric Strength	1000V RMS for 1min	• 10BASE-T Ethernet
Current Rating	1.5Amp Max.	• Voice, Video and other applications
Insulation Resistance	mind. 10MΩ	
Contact Resistance	2mΩ per contact	
Temperature Range	-10°C ~ +60°C	
Humidity	10%~90%; non condensing	

All the products are verified to the electrical characteristics required in the directive.

176272412

Category 6 0.5U Shielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
176272412	Category 6 24port Shielded Patch Panel, 0.5U, Dual Type IDC, Black	50.5×27.9×27 cm
176272419	Category 6 24port Shielded Patch Panel, 0.5U, Dual Type IDC, RAL7035	50.5×27.9×27 cm

Category 6
Cabling Solutions

Patch Panel
Category 6 Unshielded Patch Panel

Premium-Line Category 6 unshielded patch panel complies with ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class E specifications. The complete module complies with EU RoHS directive.
The construction in standard 1U 19" size, suits all 19" rack installation. The main metal frame is made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product is available in 24 ports (1U).

Physical Characteristics		Applications
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area	• 1000BASE-TX Gigabit Ethernet
IDC	100μ inch nickel plated over phosphor bronze	• 1000BASE-T Gigabit Ethernet

Electrical Characteristics		• 100BASE-TX Fast Ethernet
Dielectric Strength	1000V RMS for 1min	• 10BASE-T Ethernet
Current Rating	1.5Amp Max.	• Voice, Video and other applications
Insulation Resistance	mind. 10MΩ	
Contact Resistance	2mΩ per contact	
Temperature Range	-10°C ~ +60°C	
Humidity	10%~90%; non condensing	

All the products are verified to the electrical characteristics required in the directive.

176122412

Category 6 Unshielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
176122412	Category 6 24port Unshielded Patch Panel, Dual Type IDC, Black	50×24.5×25.5 cm
195000002	Cable Management Bar, Click On Type, Black	50.5×27.9×27 cm
195030002	Cable Management Bar, Screw Type, Black	50.5×27.9×27 cm

Patch Panel

Category 6 Labeling Holder Panel

Premium-Line Category 6 labeling unshielded patch panel complies with ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class E specifications. The complete module complies with EU RoHS directive.

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 1000BASE-TX Gigabit Ethernet
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

All the products are verified to the electrical characteristics required in the directive.

176722412

Category 6 Labeling Holder Panel

PART NO.	DESCRIPTION	PACKING SIZE
176722412	Category 6 24port Unshielded Patch Panel with Labeling Holder, Dual Type IDC, Black	50×24.5×25.5 cm

Category 6
Cabling Solutions

Patch Panel

Category 6 0.5U/24 Port & 1U/48 Port Unshielded Patch Panel

Premium-Line Category 6 19" high density patch panel, 24 port in 0,5U and 48 ports in 1U Size, could significantly expand your capacity by space saving in the rack! For any cross-connect rack and HC networking rack in the datacenter or TR, it's the ideal design to achieve more flexible deployment and also anytime available end subscribers' expansion. Two pieces easy click-in cable management bar at the back side is high strength affordable. The compact design saving physical space in rack and combine with its quality headroom margin performance, the panel is your ideal budget saving and competitive solution to others.

176182412

176144812

All the products are verified to the electrical characteristics required in the directive.

Category 6 0.5U/1U Unshielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
176182412	Category 6 0,5U UTP Patch Panel with One Cable Management Bar, 24 Ports	52×24×36 cm
176144812	Category 6 1U UTP Patch Panel with Two Cable Management Bars, 48 Ports	51.5×24×35 cm

Patch Cord
Category 6 S/FTP Patch Cord

Premium-Line Category 6 S/FTP system patch cord is factory verified products, dedicated for datacenter and high end project use.
To realize the high performance, the cable is coming with two shielding layers. Each pair is wrapped by individual Aluminum-Mylar film, to eliminate the near end pair to pair interferences.
Again an aluminum coated braiding laid over the inner structure, provides protection against outside EMI interferences.

Compliances:	Applications
• ANSI/TIA-568.2-D:2018 Category 6 • ISO/IEC 11801-1:2017 Class E • CENELEC EN 50173-1 • CENELEC EN 50288 • 3P Certified Channel Performance • Flame retardance according to IEC 60332-1-2 • RJ45 contacts 50μ inch gold plated • Molded snag proof boot	Premises environment, ideal for server electrical interference places, or along with active power devices • 1000BASE-TX Gigabit Ethernet • 1000BASE-T Gigabit Ethernet • 100BASE-TX Fast Ethernet • 10BASE-T Ethernet • Voice, Video and other applications
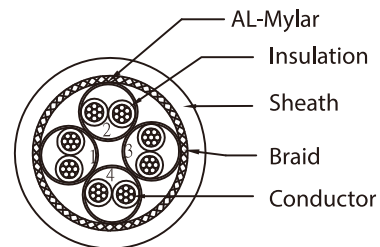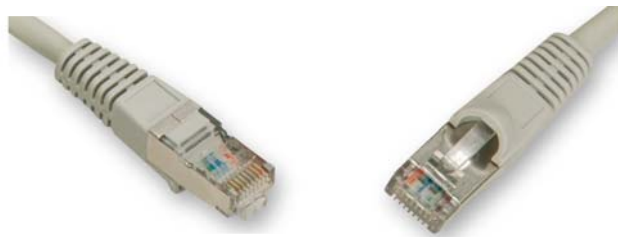
Construction

Conductor	Material / size	Bare Copper / 26 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil Screen Around Each Pair
Braid	Material	Tinned Copper
Sheath	Material	PVC / LSOH
	Diameter	5.7± 0.3 mm

Category 6 S/FTP Patch Cord, PVC

Length	Grey	Green	Blue	Red	Yellow
0,5 m	186410055	186410056	186410054	186410053	186410058
1 m	186410105	186410106	186410104	186410103	186410108
2 m	186410205	186410206	186410204	186410203	186410208
3 m	186410305	186410306	186410304	186410303	186410308
5 m	186410505	186410506	186410504	186410503	186410508
7 m	186410705	186410706	186410704	186410703	186410708
10 m	186411005	186411006	186411004	186411003	186411008

Category 6
Cabling Solutions

Patch Cord
Category 6 U/UTP System Patch Cord

Premium-Line Category 6 U/UTP system patch cord is designed for the high end project use.
Compare to normal U/UTP patch cable, system patch cord exists a PE cross member, each pairs of whole cable retain the same stranding appearance and pitch as designed, even after transportation, cabling, wiring and management, this is the key factor to guarantee performances in various application.

Compliances:	Applications
• ANSI/TIA-568.2-D:2018	Premises environment, option for equipment cord in cross-connect, ideal for 4 plug-in and above applications,
• ISO/IEC 11801-1:2017	
• CENELEC EN 50173-1	
• CENELEC EN 50288	• 1000BASE-TX Gigabit Ethernet
• 100% factory tested to component level performance as per ANSI/TIA-568.2-D:2018 specifications	• 1000BASE-T Gigabit Ethernet
	• 100BASE-TX Fast Ethernet
• Flame retardance according to IEC 60332-1-2	• 10BASE-T Ethernet
• RJ45 contacts 50µ inch gold plated	• Voice, Video and other applications
• Molded snag proof boot	

Insulation

Jackting
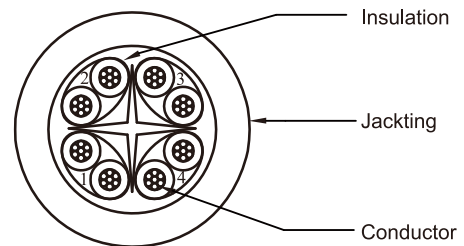
Conductor

Construction

Conductor	Material / size	Bare Copper / 24 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	6.4 ± 0.2 mm

Category 6 U/UTP System Patch Cord, PVC

Length	Grey	Green	Blue	Red	Yellow
0,5 m	186610055	186610056	186610054	186610053	186610058
1 m	186610105	186610106	186610104	186610103	186610108
2 m	186610205	186610206	186610204	186610203	186610208
3 m	186610305	186610306	186610304	186610303	186610308
5 m	186610505	186610506	186610504	186610503	186610508
7 m	186610705	186610706	186610704	186610703	186610708
10 m	186611005	186611006	186611004	186611003	186611008

Other lengths, colors or halogen free cables on request

Patch Cord
Category 6 U/UTP Retail Patch Cord

Premium-Line Category 6 U/UTP retail patch cord supports the whole Category 6 channel transmission as per standard ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class E specifications.

Construction

Conductor	Material / size	Bare Copper / 24 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	5.8± 0.3 mm

Category 6 U/UTP Retail Patch Cord

PART NO.	DESCRIPTION
1861xyyyz	Category 6 U/UTP Retail Patch Cord, 24AWG

"x" , 1 = PVC; 2 = LSOH "yyy" , 005 = 0.5m; 010 = 1.0m; 020 =2.0m; 030 = 3.0m; 050 = 5.0m; 070 = 7.0m; 100 = 10.0m

"z" , 3 = Red; 4 = Blue; 5 = Grey; 6 = Green; 8 = Yellow

Patch Cord
Category 6 U/UTP Slimline Patch Cord

Construction

Conductor	Material / size	Bare Copper / 30 AWG
Insulation	Material	HDPE
Sheath	Material	PVC / LSOH
	Diameter	3.1 ± 0.2 mm

Category 6 U/UTP Slimline Patch Cord

PART NO.	DESCRIPTION
18692yyyz	Category 6 U/UTP SlimLine Patch Cord, LSOH

"yyy" , 003 = 0.3m, 005 = 0.5m, 010 = 1.0m, 020 = 2.0m

"z" , 1 = White, 2 = Black, 3 = Red, 4 = Blue, 5 = Grey, 6 = Green, 8 = Yellow

Category 6
Cabling Solutions

Flexible Consolidation Point Cable
Category 6 U/UTP CP Cable

Flexible consolidation point cables are popular in horizontal cabling system, its featured characteristic – Easy and Fast Deployment – is realized by professional IT staff, and it's applied in many occasions and places, like ZDA to EDA in datacenter, open office easy and quick expanding nodes, extensions in horizontal cabling and etc.
Premium-Line Category 6 Giga Ethernet CP cable is 100% factory Short Link 3 Connectors Permanent Link test verified and passed.
• Flexible patch cable
• RJ45 plug to keystone jack (106721010)
• Optional keystone upon choice
• Factory terminated and tested
• Available length 5m, 7m, 10m, 20m
• Test service and results attached

Category 6 U/UTP CP Cable, PVC

Length	Grey
5 m	71661050550
7 m	71661070550
10 m	71661100550
20 m	71661200550
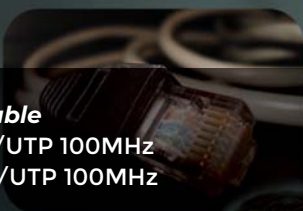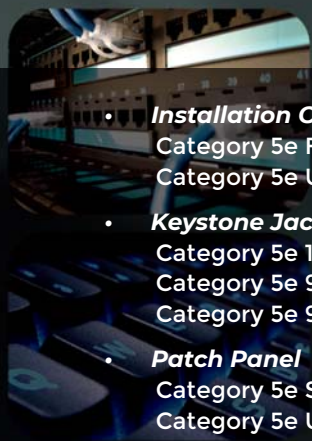
- **Installation Cable**
  Category 5e F/UTP 100MHz
  Category 5e U/UTP 100MHz

- **Keystone Jack**
  Category 5e 180°Shielded Die-Casting Keystone Jack
  Category 5e 90° Shielded Keystone Jack
  Category 5e 90° & 180° Unshielded Keystone Jack

- **Patch Panel**
  Category 5e Shielded Patch Panel
  Category 5e Unshielded Patch Panel
  Category 5e 0.5U/24 Port & 1U/48 Port Unshielded Patch Panel

- **Patch Cord**
  Category 5e F/UTP Patch Cord
  Category 5e U/UTP System Patch Cord
  Category 5e U/UTP Retail Patch Cord
  Category 5e U/UTP Flat Patch Cord
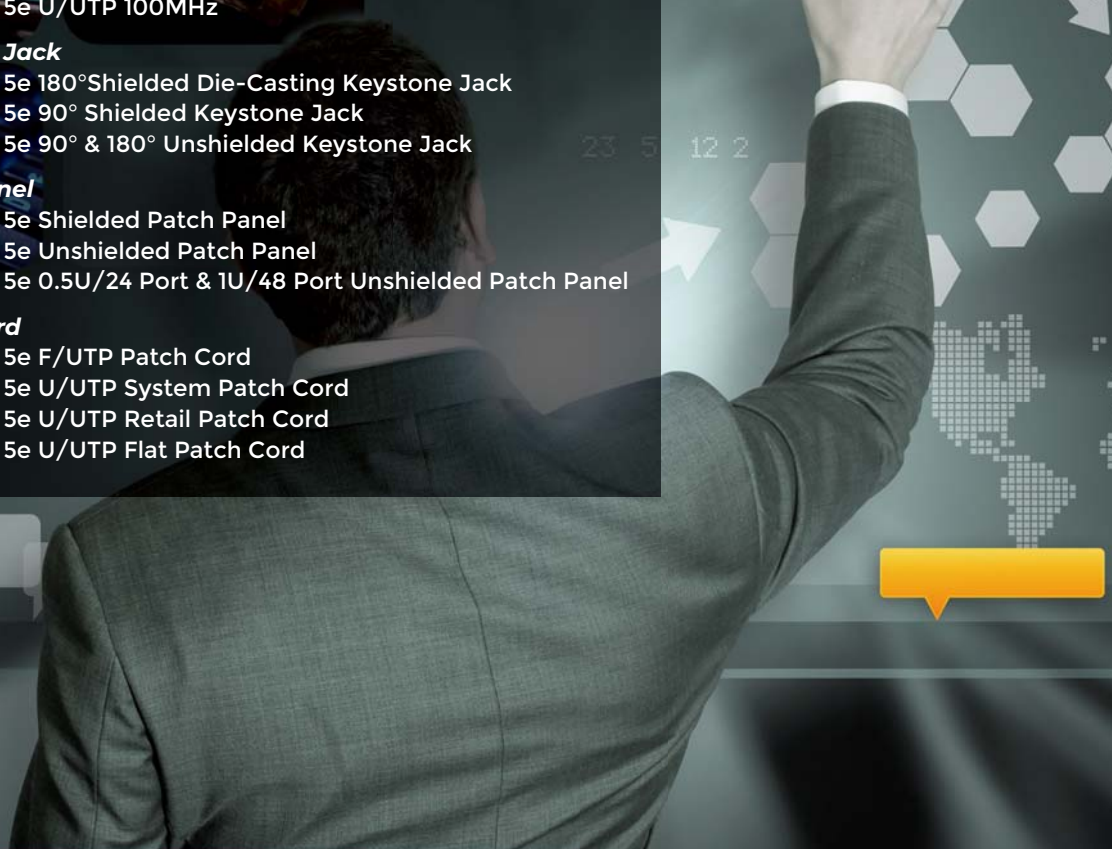
Category 5e
Cabling Solutions

With the high speed data transmission requirement in LAN, 1998 IEEE ratified standard 802.3z defined protocol 1000BASE-T over Category 5e and higher level Ethernet cabling system. After that, with the step into 21st century, Category 5e (class D) cabling took the place of Category 5 cabling, and it became the main trend in data cabling market.

1000BASE-T defines that the Category 5e works in full-duplex mode, using the complete 4 pairs to transceive at the same time. Each pair will receive the interference from other 3 pairs, as well as the ground noise. This requires the components in the permanent link to be with sufficient headroom margins.

Premium-Line supplies complete Category 5e solutions and components, meet and exceed the standards ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017, EN 50173-1, the Category 5e channel is guaranteed to fully support the corresponding protocols & communication services over 100m. Moreover, as a Germany brand, Premium-Line provides you complete EU CPR Class Eca, Dca (B2ca on request) solutions.

Nowadays, with expansion services over Ethernet expediting, like IP phone, IP camera, security and control systems, intelligence home systems and etc., these expand the traditional Category 5e cabling market. Also considering the future telephone system upgrading, more and more telephone subsystems suggest using Category 5e communication cable. Based on all these, Premium-Line will always provide you adequate Category 5e solutions and warranties.

Installation Cable

Category 5e F/UTP 100MHz

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017 CLASS D
- CENELEC EN 50173-1
- CENELEC EN 50288
- Flame retardancy is verified according to IEC 60332-1-2.
- ETL Verified
- CPR Class Eca

Application:
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T
- Voice, ISDN
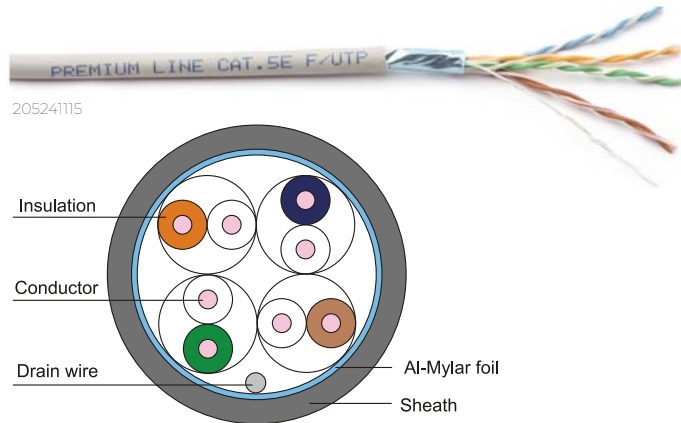
205241115

PREMIUM LINE CAT.5E F/UTP

Insulation
Conductor
Drain wire
Al-Mylar foil
Sheath

Construction

Conductor	Material / size	Bare Copper / 24AWG	
Insulation	Material	Foam-Skin PE	
Inner-Shield	Material	Al-Mylar Type	
Drain wire	Material	Stranded Tinned Copper	
Sheath	Material	PVC	LSOH
	Diameter	6.0 ± 0.3 mm	6.0 ± 0.3 mm

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥ 8D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Electrical Performance

Freq	Insertion Loss		NEXT		PS NEXT		ACR		PSACR		ACR-F		PSACR-F		Return Loss	
(MHz)	(dB)		(dB/100m)		(dB)		(dB)		(dB)		(dB)		(dB)		(dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.0	1.8	65.3	79.3	62.3	72.2	63.3	77.5	60.3	77.5	63.8	84.8	60.8	78.8	20.0	27.0
4.0	4.1	3.7	56.3	70.3	53.3	63.3	52.2	66.6	49.2	59.6	51.7	72.8	48.7	68.8	23.0	32.0
10.0	6.5	5.8	50.3	64.3	47.3	57.3	43.8	58.5	40.8	51.5	43.8	64.8	40.8	58.6	25.0	32.0
16.0	8.2	7.4	47.3	61.1	44.3	54.2	39.1	53.7	36.1	46.8	39.7	60.7	36.7	54.5	25.0	32.0
20.0	9.3	8.3	45.8	59.3	42.8	52.6	36.5	51.0	33.5	44.6	37.7	58.8	34.7	52.6	25.0	32.0
31.25	11.7	10.5	42.9	56.7	39.9	49.6	31.2	46.2	28.2	39.1	33.9	54.9	30.9	48.7	23.6	30.0
62.5	17.0	15.1	38.4	52.1	35.4	45.2	21.4	37.0	18.4	30.1	27.8	48.9	24.8	42.7	21.5	30.0
100.0	22.0	19.3	35.3	49.2	32.3	42.1	13.3	29.9	10.3	22.8	23.8	44.8	20.8	38.6	20.1	30.0

Category 5e F/UTP 100MHz

PART NO.	DESCRIPTION	PACKING SIZE
205241115	Category 5e F/UTP Installation Cable, 305m Box, PVC, Grey	42×42×21 cm
205242115	Category 5e F/UTP Installation Cable, 305m Box, LSOH, Grey	42×42×21 cm

Category 5e
Cabling Solutions

Installation Cable
Category 5e U/UTP 100MHz

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50173-1
- CENELEC EN 50288-3-1
- Flame retardancy is verified according to IEC 60332-1-2
- 3P Verified
- ETL Verified
- CPR Class Eca, Dca

Application:
- 1000BASE-T Gigabit Ethernet
- 100BASE-TX Fast Ethernet
- 10BASE-T
- Voice, ISDN
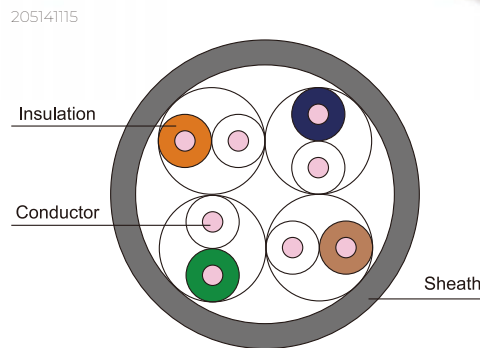
205141115

Construction

Conductor	Material / size	Bare Copper / 24AWG	
Insulation	Material	HDPE	
Sheath	Material	PVC	LSOH
	Diameter	5.2 ± 0.2 mm	5.2 ± 0.2 mm

Electrical Performance

Freq	Insertion Loss		NEXT		PS NEXT		ACR		ACR-F		PSACR-F		Return Loss	
(MHz)	(dB/100m)		(dB/100m)		(dB/100m)		(dB/100m)		(dB/100m)		(dB/100m)		(dB/100m)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.0	1.8	65.3	77.7	62.3	75.2	63.3	75.9	63.8	69.2	60.8	68.5	20.0	40.1
4.0	4.1	3.7	56.3	68.7	53.3	66.0	52.2	65.0	51.7	57.5	48.7	57.0	23.0	40.1
10.0	6.5	6.0	50.3	60.7	47.3	58.3	43.8	54.7	43.8	49.0	40.8	48.2	25.0	37.3
16.0	8.2	7.7	47.3	56.1	44.3	53.7	39.1	48.4	39.7	45.6	36.7	43.8	25.0	36.7
20.0	9.3	8.6	45.8	55.3	42.8	52.9	36.5	46.7	37.7	43.6	34.7	42.8	25.0	36.0
31.25	11.7	10.8	42.9	52.7	39.9	50.0	31.2	41.9	33.9	40.1	30.9	39.3	23.6	32.6
62.5	17.0	15.5	38.4	48.0	35.4	45.5	21.4	32.5	27.8	34.7	24.8	33.5	21.5	31.6
100.0	22.0	19.8	35.3	44.5	32.3	42.2	13.3	24.7	23.8	30.4	20.8	29.4	20.1	31.7

Category 5e U/UTP 100MHz

PART NO.	DESCRIPTION	PACKING SIZE
205141115	Category 5e U/UTP Installation Cable, 305m Box, PVC, Grey	35×35×21 cm
205142115	Category 5e U/UTP Installation Cable, 305m Box, LSOH, Grey	35×35×21 cm

Keystone Jack

Category 5e 180° Shielded Die-Casting Keystone Jack

Premium-Line 180° shielded die-casting keystone jack in special design for optimal EMI protection. Toolless design no additional tools for termination needed, supports T568 A&B wiring. The finished product complies with EU RoHS directive.

Physical Characteristics	
Body Material	Housing: PC, UL94 V-0 Body: zinc die-casting
Jack Contact	Phosphor bronze, 50μ inch gold plated over nickel
IDC Contacts	100μ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

105524010

Applications
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

All the products are verified to the electrical characteristics required in the directive.

Category 5e 180° Shielded Die-casting Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
105524010	Category 5e 180° Shielded Die-Casting Keystone Jack	42×41×38 cm
170242402	High Density Shielded Unloaded Patch Panel with Cable Management	50.5×27.9×27 cm
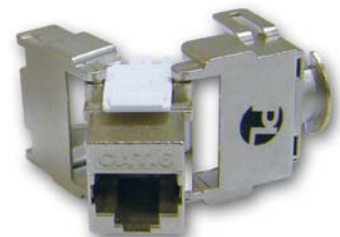
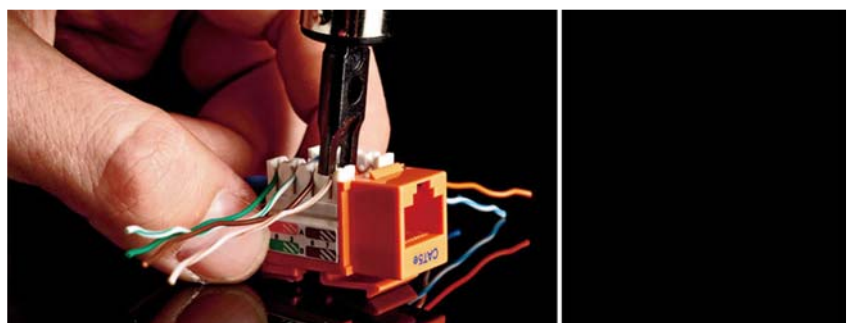# Keystone Jack

Category 5e 90° Shielded Keystone Jack

All the products are verified to the electrical characteristics required in the directive.

105211010

Category 5e 90° Shielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
105211010	Category 5e 90° Shielded Keystone Jack, Dual Type IDC	53.8×35.2×27 cm

Category 5e
Cabling Solutions

Keystone Jack
Category 5e 90° Unshielded Keystone Jack

Premium-Line 90° unshielded keystone jack is in classical design, the dual type IDC accepts 22-26 AWG solid cables, easy terminated with 110 or Krone tools, supports T568 A&B wiring.
The finished product complies with EU RoHS directive. With its good & stable performance, this module earns the good sales result in the market.
All the products are verified the electrical characteristics required in the directive.

Physical Characteristics	
Housing	PC, UL94 V-0
Jack Contact	Phosphor bronze, 50μ inch goldplated over nickel
IDC Contacts	100μ inch nickel plated overphosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

All the products are verified to the electrical characteristics required in the directive.

105111010

Category 5e 90° Unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
105111010	Category 5e 90° Unshielded Keystone Jack, Dual Type IDC, White	53.8×35.2×27 cm

Category 5e 90° Unshielded slim Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
105311010	Category 5e 90° Unshielded Slim Keystone Jack, Dual Type IDC, White	53.8×35.2×27 cm

Keystone Jack

Category 5e 180° Unshielded Keystone Jack

Premium-Line 180° unshielded keystone jack is in classical design, the dual type IDC accepts 22-26 AWG solid cables, easy terminated with 110 or Krone tools, supports T568 A&B wiring.
The finished product complies with EU RoHS directive. With its good & stable performance, this module earns the good sales result in the market.
All the products are verified to the electrical characteristics required in the directive.

Physical Characteristics	
Housing	PC, UL94 V-0
Jack Contact	Phosphor bronze, 50μ inch goldplated over nickel
IDC Contacts	100μ inch nickel plated overphosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

105121010
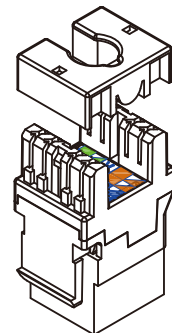
All the products are verified to the electrical characteristics required in the directive.

Category 5e 180° unshielded Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
105121010	Category 5e 180° Unshielded Keystone Jack, Dual Type IDC, White	53.8×35.2×27 cm
171022402	24port High Density Unloaded Patch Panel for Unshielded Keystone Jacks, Black	50.4×24.5×25.4 cm

Category 5e
Cabling Solutions

Patch Panel
Category 5e Shielded Patch Panel

Premium-Line Category 5e shielded patch panel complies with ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN50173-1 Class D specifications, The complete module complies with EU RoHS directive.
The construction in standard 1U 19" size, suits all 19" rack installation. The main metal frame and rear back cover are made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product is avaiable in black or light gray RAL7035 color.

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze
Shielded Cover	50-60μ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
· 1000BASE-T Gigabit Ethernet
· 100BASE-TX Fast Ethernet
· 10BASE-T Ethernet
· Voice, Video and other applications

All the products are verified to the electrical characteristics required in the directive.

175212412

Category 5e Shielded Patch Panel, 1U

PART NO.	DESCRIPTION	PACKING SIZE
175212412	Category 5e 24port Shielded Patch Panel, Dual Type IDC, Black	50.5×27.9×27 cm
175212419	Category 5e 24port Shielded Patch Panel, Dual Type IDC, RAL7035	50.5×27.9×27 cm

Patch Panel
Category 5e Unshielded Patch Panel

Premium-Line Category 5e unshielded patch panel complies with ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class D specifications. The complete module complies with EU RoHS directive.
The construction in standard 1U 19" size, suits all 19" rack installation. The main metal frame are made of SECC material, with the thickness over 1.0mm. Dual type IDC accepts 22-26 AWG solid cable, easy for termination with 110 or Krone tools. The finished product is avaiable in 24 ports (1U).

Physical Characteristics	
Jack	Phosphor bronze, 50μ inch gold plating over nickel in contact area
IDC	100μ inch nickel plated over phosphor bronze

Electrical Characteristics	
Dielectric Strength	1000V RMS for 1min
Current Rating	1.5Amp Max.
Insulation Resistance	mind. 10MΩ
Contact Resistance	2mΩ per contact
Temperature Range	-10°C ~ +60°C
Humidity	10%~90%; non condensing

Applications
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-T Ethernet
• Voice, Video and other applications

All the products are verified to the electrical characteristics required in the directive.

175122412

175722412

Category 5e Unshielded Patch Panel,1U

PART NO.	DESCRIPTION	PACKING SIZE
175122412	Category 5e 24port Unshielded Patch Panel, Dual Type IDC, Black	50×24.5×25.5 cm
175722412	Category 5e 24port Unshielded patch panel with Labeling Holder, Dual Type IDC, Black	50×24.5×25.5 cm
195000002	Cable Management Bar, Click On Type, Black	50.5×27.9×27 cm
195030002	Cable Management Bar, Screw Type, Black	50.5×27.9×27 cm

Category 5e
Cabling Solutions

Patch Panel
Category 5e 0.5U/24 Port & 1U/48 Port Unshielded Patch Panel

Premium-Line Category 5e 19" high density patch panel, 24 port in 0.5U and 48Ports in 1U Size, could significantly expand your capacity by space saving in the rack! For any cross-connect rack and HC networking rack in the datacenter or TR, it's the ideal design to achieve more flexible deployment and also anytime available for end subscribers' expansion. Two pieces easy click-in cable management bar at the back side is high strength affordable. The compact design saving physical space in rack and combines with its quality headroom margin performance, the panel is your ideal budget saving and competitive solution to others.

175182412

175144812

All the products are verified to the electrical characteristics required in the directive.

Category 5e 0.5U/1U Unshielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
175182412	Category 5e 0.5U UTP Patch Panel with One Cable Management Bar, 24 Ports	52×24×36 cm
175144812	Category 5e 1U UTP Patch Panel with Two Cable Management Bars, 48 Ports	51.5×24×35 cm

Patch Cord

Category 5e F/UTP Patch Cord

Premium-Line Category 5e F/UTP patch cord supports the whole channel transmission as per standard ANSI/ TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class D specifications. With overall aluminum screen protection, against the environment noise also avoid signals leak.
The 26 AWG stranded conductor and flexible construction is easy to bend or manage. Normally, the patch cord will be in TIA 568B wiring, TIA 568A or other wiring method upon request.
The patch cord is finished with snag proof boot.

Applications
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

Insulation

Sheath

Al-Mylar foil

Conductor
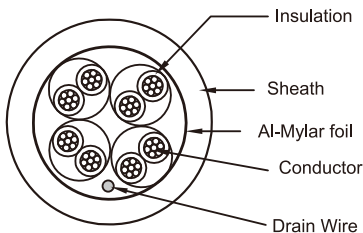
Drain Wire

Construction

Conductor	Material / size	Bare Copper / 26AWG	
Insulation	Material	Foam-Skin PE	
Inner-Shield	Aluminum-Mylar	An Aluminum Foil Screen Over All Pairs	
Drain Wire	Material	Stranded Tinned Copper	
Sheath	Material	PVC	LSOH
	Diameter	5.6± 0.3 mm	5.6 ± 0.3 mm

Category 5e F/UTP Patch Cord, PVC

Length	Grey	Green	Blue	Red	Yellow
0.5 m	185210055	185210056	185210054	185210053	185210058
1 m	185210105	185210106	185210104	185210103	185210108
2 m	185210205	185210206	185210204	185210203	185210208
3 m	185210305	185210306	185210304	185210303	185210308
5 m	185210505	185210506	185210504	185210503	185210508
7 m	185210705	185210706	185210704	185210703	185210708
10 m	185211005	185211006	185211004	185211003	185211008
15 m	185211505	185211506	185211504	185211503	185211508
20 m	185212005	185212006	185212004	185212003	185212008

Other lengths, colors or halogen free on request.
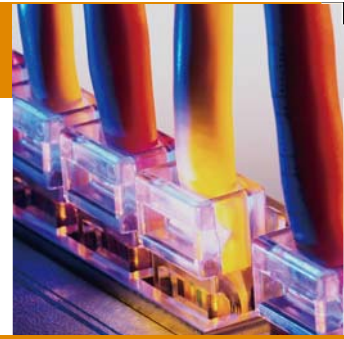
Category 5e
Cabling Solutions

Patch Cord
Category 5e U/UTP System Patch Cord

Premium-Line Category 5e U/UTP system patch cord is designed for the high level project use. Compatible with the patch panel, keystone jack and installation cable, to constitute excellent channel performance. Premium-Line Category 5e U/UTP system patch cord meets and over the standard ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class D specification.

Applications
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

Conductor
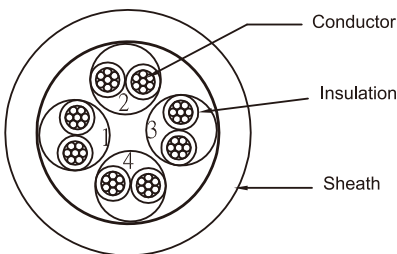
Insulation

Sheath

Construction

Conductor	Material / size	Bare Copper / 26AWG	
Insulation	Material	HDPE	
Sheath	Material	PVC	LSOH
	Diameter	5.3 ± 0.3 mm	5.3 ± 0.3 mm

Category 5e U/UTP System Patch Cord, PVC

LENGTH	GREY	GREEN	BLUE	RED	YELLOW
0.5 m	185110055	185110056	185110054	185110053	185110058
1 m	185110105	185110106	185110104	185110103	185110108
2 m	185110205	185110206	185110204	185110203	185110208
3 m	185110305	185110306	185110304	185110303	185110308
5 m	185110505	185110506	185110504	185110503	185110508
7 m	185110705	185110706	185110704	185110703	185110708
10 m	185111005	185111006	185111004	185111003	185111008
15 m	185111505	185111506	185111504	185111503	185111508
20 m	185112005	185112006	185112004	185112003	185112008

Other lengths, colors or halogen free on request.

Patch Cord

Category 5e U/UTP Retail Patch Cord

Premium-Line Category 5e U/UTP patch cord supports the whole channel transmission as per standard ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class D specifications. The 26 AWG stranded CCA conductor and flexible construction is easy for bending or change. Normally, the patch cord will be in TIA 568B wiring, TIA 568A or other wiring method upon request. The patch cord is finished with snag proof boot.

Construction

Conductor	Material / size	Copper coated Aluminum / 26AWG	
Insulation	Material	HDPE	
Sheath	Material	PVC	LSOH
	Diameter	5.3 ± 0.3 mm	5.3 ± 0.3 mm

Category 5e U/UTP Retail Patch Cord, PVC

LENGTH	GREY	GREEN	BLUE	RED	YELLOW
0,5 m	185710055	185710056	185710054	185710053	185710058
1 m	185710105	185710106	185710104	185710103	185710108
2 m	185710205	185710206	185710204	185710203	185710208
3 m	185710305	185710306	185710304	185710303	185710308
5 m	185710505	185710506	185710504	185710503	185710508
7 m	185710705	185710706	185710704	185710703	185710708
10 m	185711005	185711006	185711004	185711003	185711008
15 m	185711505	185711506	185711504	185711503	185711508
20 m	185712005	185712006	185712004	185712003	185712008

Other lengths, colors or halogen free on request.

Category 5e
Cabling Solutions
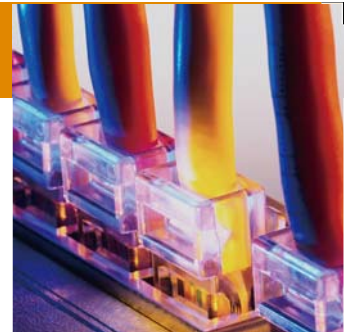
Patch Cord

Category 5e U/UTP Flat Patch Cord

Premium-Line Category 5e U/UTP flat patch cord is ideal design for special network installations where space is tight. It supports Category 5e channel *short link transmission as per standard ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Class E specifications. The 30 AWG stranded conductor and flat construction is easy for bending or change. Normally, the patch cord will be in TIA 568B wiring, TIA 568A or other wiring method upon request.

* short link, link length not over 70m

Applications
• 1000BASE-T Gigabit Ethernet
• 100BASE-TX Fast Ethernet.
• 10BASE-T Ethernet.
• Voice, Video and other applications.

Construction

Conductor	Material / size	Bare Copper / 30 AWG	
Insulation	Material	HDPE	
Sheath	Material	PVC	LSOH
	Diameter	1.6 mm × 6.8 mm	1.6 mm × 6.8 mm

Category 5e U/UTP Flat Patch Cord, PVC

LENGTH	GREY	BLACK	BLUE	RED	YELLOW
0.5 m	185510055	185510052	185510054	185510053	185510058
1 m	185510105	185510102	185510104	185510103	185510108
2 m	185510205	185510202	185510204	185510203	185510208
3 m	185510305	185510302	185510304	185510303	185510308
5 m	185510505	185510502	185510504	185510503	185510508
7 m	185510705	185510702	185510704	185510703	185510708
10 m	185511005	185511002	185511004	185511003	185511008

Other lengths, colors or halogen free cables on request

premium® line

- **Navigator Patch System**
  Unshielded Navigator Patch Panel
  90° Unshielded Navigator Keystone Jack
  Transmitter

Navigator Patch System

The patented Navigator Patch System technology is embedded to a regular patch panel to keep the price reasonable. The build-in LEDs allow the identification of the cable connection to the workstations quickly and accurately without interfering the network performance.

Time-consuming one by one checking with hard to hear tone generators is a thing of the past. Finding the right cable for adds, moves or changes is as easy as turning on a light.

High Efficiency

The horizontal cable installation and patch cord connection are the most time-consuming processes. With Navigator patch panel, operators don't have to check the complicated drawing and label patch cords and panels. Navigator patch panel can greatly improve the installation efficiency.

Debugging

You can find out the failure by LED display simply, don't need to check the drawing. To maintain the cabling system becomes easily.

Security

Random port installation and no labeling are helpful to Information security management. Comply with BS 7799 or ISO 27001 standard.

Choice of Wise

There is no competitive product to the Navigator Patch System. The difference makes you win the project.

Economical Solution

1. Saving the installation time and labor cost
2. No need dedicated staff to operate
3. Visualized LED indication, easily problem determination
4. NO additional cost for software, device or system upgrade

Navigator Patch System

Using tone generators you may be forced to separate bundled cables due to weak signal. The Navigator Patch System keeps your cabinet neat. Simply connect the signal transmitter to the outlet to find the opposite position at the patch panel.

LED Red light on:

Outlet connected to the network equipment

LED Green light on:

Outlet is not connected to the network equipment.

LED light off:

No connection between patch panel and outlet on pair 3-6.
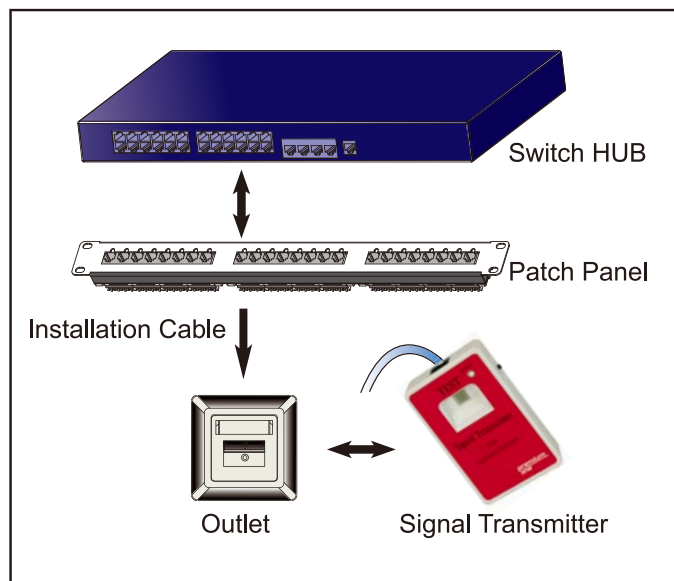
Switch HUB

Patch Panel

Installation Cable

Outlet

Signal Transmitter

Features
1. Performance conforms to ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 Category 5e and 6 specifications.
2. Supports T568 A&B Wiring & easy installation.
3. Terminate using 110 or Krone tools.
4. Backward compatible to Category 5e, 5, and 3.
5. IDC connector can accept 22-26 AWG solid and stranded cables.

Approval
• ETL verified to ANSI/TIA-568-B.2-1 Permanent Link.
• ETL verified channel to ANSI/TIA-568-B.2 Category 5e.

Applications
• 1000BASE-TX Gigabit Ethernet
• 100BASE-TX Fast Ethernet
• 10BASE-TX Ethernet
• Voice, Video and other application

Navigator
Patch System
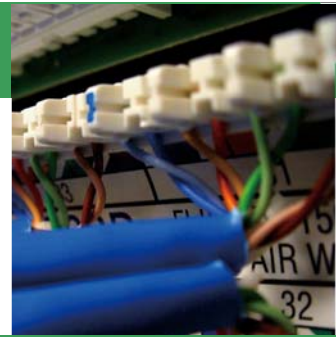
Navigator Patch System
Unshielded Navigator Patch Panel

175522412

Unshielded Navigator Patch Panel

PART NO.	DESCRIPTION
175522412	Category 5e Unshielded Navigator Patch Panel, Dual Type IDC, 24 Ports, Black
176522422	Category 6 Unshielded Navigator Patch Panel, Krone Type IDC, 24 ports, Black

106393010

90° Unshielded Navigator Keystone Jack

PART NO.	DESCRIPTION	PACKING SIZE
106393010	Category 6 90° Unshielded Navigator Keystone Jack, 110 Type IDC, White	53.8×35.2×27 cm
105393010	Category 5e 90° Unshielded Navigator Keystone Jack, 110 Type IDC, White	53.8×35.2×27 cm

194800000

Transmitter

PART NO.	DESCRIPTION
194800000	Signal Transmitter for Navigator Patch Panel

- **Multipair Cable**
  Category 3 & 5 U/UTP Indoor Multipair Cable
  Category 3 U/UTP Outdoor Gel Filled Multipair Cable

- **Patch Panel**
  Category 3 Unshielded Patch Panel

- **Keystone Jack**
  Category 3 90°Unshielded Keystone Jack,6P4C

- **Faceplate**
  86 Type Faceplate Series
  70 Type Faceplate Series

Voice & Outlets Product Series

Premium-Line voice product series mainly focus on classical voice cabling, including multipair cables- available for indoor backbone cabling & outdoor campus cabling, And also the data & voice outlets are aimed to furnish an enjoyable subscriber node with popular design and its cosmetic, standard RJ45 Category 3 voice and data patch panels, patch cords and installation cables, to constitute a complete voice cabling solution.

Multipair Cables

Premium-Line mainly supplies Category 3 and Category 5 multipair cables, normally core number could be 5pairs, 10pairs, 25pairs, 50pairs, 100pairs, including both indoor and outdoor gel filled type, for indoor backbone use and campus cabling application.

All multipair cables meet or exceed ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017, EN 50173 specification.

ISDN Patch panels

Standard RJ45 jack, and 19" 1U/2U size, provides 25ports/50ports options, suit for rack installation.

Data & Voice Outlets

Apart from the cabling solutions, Premium-Line various types faceplate in popular design is aimed to furnish all your cabling nodes and subscriber outlets

Multipair Cable

Category 3 U/UTP Indoor Multipair Cable

All Premium-Line Category 3 UTP multi-pairs installation cable meet or exceed ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017, EN 50173 specification. This range of unscreened cables are designed to support Category 3 Link and Channel performance, with internationally defined Physical and Electrical performance up to 16MHz. all cables comply with RoHS.

203191225
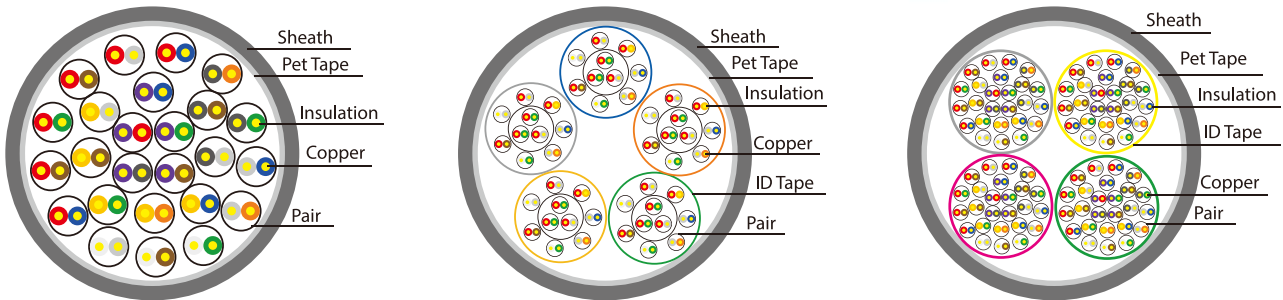
Construction

Conductor	Bare Copper/ 24 AWG			
Insulation	Polyethylene with Color Marking on Primary Cores for Ease Identification			
Sheath	PVC			
	5 Pairs	25 Pairs	50 Pairs	100 Pairs
	8.0±1.0mm	11.5±1.0mm	15.0±2.0mm	25.0±2.0mm

Electrical Performance

Transmission Frequency (MHz)	1	4	8	10	16
NEXT dB/100m	41.3	32.3	27.8	26.3	23.3
Characteristic Impedance	100±15				
Attenuation dB/100m	2.6	5.6	8.5	9.7	13.1
Structural Return Loss dB/100m	12	12	12	12	9.95
Nominal Velocity of Propagation	>65%				

Mechanical & Environmental Characteristics

Bend Radius	≥ 10D, without load
	≥ 15D, with load
Operation Temperature	-20°C ~ +60°C
Installation Temperature	0°C ~ +50°C
Storage Temperature	-30°C ~ +60°C

Category 3 U/UTP Indoor Multipair Cable

PART NO.	DESCRIPTION
203161225	Category 3 U/UTP Multipair Cable, 5 Pairs, 500m Reel, PVC, Grey
203181225	Category 3 U/UTP Multipair Cable, 25 Pairs, 500m Reel, PVC, Grey
203191225	Category 3 U/UTP Multipair Cable, 50 Pairs, 500m Reel, PVC, Grey
203111225	Category 3 U/UTP Multipair Cable, 100 Pairs, 500m Reel, PVC, Grey

Category 5 U/UTP Indoor Multipair Cable

PART NO.	DESCRIPTION
201181225	Category 5 U/UTP Multipair Cable, 25 Pairs, 500m Reel, PVC, Grey
201191225	Category 5 U/UTP Multipair Cable, 50 Pairs, 500m Reel, PVC, Grey

Multipair Cable
Category 3 U/UTP Outdoor Gel Filled Multipair cable

723163222

Conductor
Insulation
Wrapping
Jelly Compound
Ripcord
LDPE Sheath
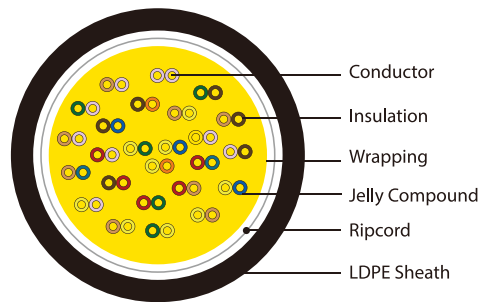
Construction

Conductor	Bare Copper/ 24 AWG		
Insulation	HDPE with Color Marking on Primary Cores for Ease Identification		
Filling Compound	Petroleum Jelly Filled Compound		
Sheath	LDPE		
	Nominal size	25 Pairs	50 Pairs	100 Pairs
		13.8	18.2	23.5
Additional Components	Overall Cable Wrapped with PP Tape		

Mechanical & Environmental Characteristics

Bend Radius	≥ 10D, without load
	≥ 15D, with load
Operation Temperature	-40°C ~ +60°C
Installation Temperature	-50°C ~ +70°C
Storage Temperature	-30°C ~ +50°C

Category 3 U/UTP Outdoor Gel Filled Multipair Cable

PART NO.	DESCRIPTION
723163222	Category 3 U/UTP Multipair Cable, 25 Pairs, Outdoor Gel Filled, 500m Reel, PE, Black
723183222	Category 3 U/UTP Multipair Cable, 50 Pairs, Outdoor Gel Filled, 500m Reel, PE, Black
723193222	Category 3 U/UTP Multipair Cable, 100 Pairs, Outdoor Gel Filled, 500m Reel, PE, Black

Patch Panel

Category 3 Unshielded Patch Panel

Premium-Line Category 3 unshielded patch panel complies with ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017, EN 50173 specifications. The complete module complies with EU RoHS directive.

The construction in standard 1U 19" size, suits all 19" rack installation. The main metal frame and rear back cover are made of SECC material, with the thickness over 1.0mm. 4P4C terminal block for 25 ports, and 8P8C for 50 ports type. The finished product is available in black or light gray RAL7035 color.

Physical Characteristics	*Applications*
• Jack: Phosphor bronze, 3μ inch gold plating over nickel in contact area • IDC: 30μ inch phosphor bronze or tin plated over nickel	• 10BASE-T Ethernet • Supports all voice systems

173112519

Category 3 Unshielded Patch Panel

PART NO.	DESCRIPTION	PACKING SIZE
173112519	ISDN (Category 3) 90 ° Unshielded Patch Panel, Dual Type IDC, 25 Ports, RAL7035	50.5×27.9×27 cm
173115019	ISDN (Category 3) 90 ° Unshielded Patch Panel, Dual Type IDC, 50 Ports, RAL7035	50.5×27.9×27 cm
173112512	ISDN (Category 3) 90 ° Unshielded Patch Panel, Dual Type IDC, 25 Ports, Black	50.5×27.9×27 cm
173115012	ISDN (Category 3) 90 ° Unshielded Patch Panel, Dual Type IDC, 50 Ports, Black	50.5×27.9×27 cm

Keystone Jack

Category 3 90°Unshielded Keystone Jack,6P4C

Features:
• Supports ISDN, 10 Base-T and any other voice applications • Supports USOC wiring method & easy installation • Offers total solution of your Local Area Networking • Dual IDC connector can accept 23-26 AWG solid cables • Using 110 or Krone tools for termination

103111010

Category 3 90°unshielded keystone jack

PART NO.	DESCRIPTION	PACKING SIZE
103111010	ISDN (Category 3) 90°unshielded keystone jack, dual type IDC, 6P4C, White	52.5x33.6x25.5 cm

Voice & Outlets
Product Series
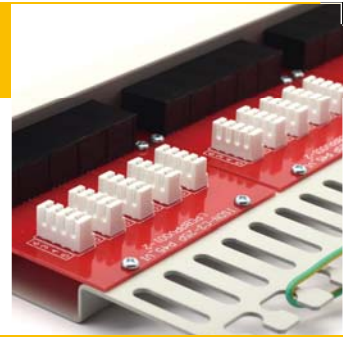
Faceplate
86 Type Faceplate Series

Features:
• Secures to any surface, drywall, baseboard, and even modular furniture
• 100% compatible with standard wall(face) plates
• Keystone jacks can be snapped in and out easily
• Comes in models to accommodate 1/2/3/4 inserts and shuttered dust cover
• Comes with hidden mounting screws and clear outlet ID labels
• Apply UL-94V-0 high-impact, fire-retardant ABS resin

121122210   121111210

121212210   121221210

86 Type Faceplate Series

PART NO.	DESCRIPTION
121111210	Euro II Face Plate, Right-angle, 45°Entry, 86×86, Snap-In, w/-Shutter, 1-Port, White
121112210	Euro II Face Plate, Right-angle, 45°Entry, 86×86, Snap-In, w/-Shutter, 2-Port, White
121121210	Euro II Face Plate, Right-angle, 90°Entry, 86×86, Snap-In, w/-Shutter, 1-Port, White
121122210	Euro II Face Plate, Right-angle, 90°Entry, 86×86, Snap-In, w/-Shutter, 2-Port, White
121314210	Euro II Face Plate, Right-angle, 45°Entry, 86×146, Snap-In, w/-Shutter, 4-Port, White
121324210	Euro II Face Plate, Right-angle, 90°Entry, 86×146, Snap-In, w/-Shutter, 4-Port, White
121211210	Euro III Face Plate, Bevel, 45°Entry, 86×86, Snap-In, w/-Shutter, 1-Port, White
121212210	Euro III Face Plate, Bevel, 45°Entry, 86×86, Snap-In, w/-Shutter, 2-Port, White
121221210	Euro III Face Plate, Bevel, 90°Entry, 86×86, Snap-In, w/-Shutter, 1-Port, White
121222210	Euro III Face Plate, Bevel, 90°Entry, 86×86, Snap-In, w/-Shutter, 2-Port, White

Faceplate
70 Type Faceplate Series

121822010   121823010   121721110   121722110

70 Type Faceplate Series

PART NO.	DESCRIPTION
121820010	USA III Blank Face Plate, 70×115, White
121821010	USA III Face Plate, 90°Entry, 70×115, Integral Molding, w/o Icon, 1-Port, White
121822010	USA III Face Plate, 90°Entry, 70×115, Integral Molding, w/o Icon, 2-Port, White
121823010	USA III Face Plate, 90°Entry, 70×115, Integral Molding, w/o Icon, 3-Port, White
121824010	USA III Face Plate, 90°Entry, 70×115, Integral Molding, w/o Icon, 4-Port, White
121826010	USA III Face Plate, 90°Entry, 70×115, Integral Molding, w/o Icon, 6-Port, White

premium line ®

- **Optic Fiber**
  Single-mode Optic Fiber
  Multimode Optic Fiber
- **Wide Area Network**
  ADSS Fiber Optic Cable, 9/125um G652D
  Figure 8 Aerial Armored Multi-tube
  Outdoor Parallel Steel Wires & Steel Armored Uni-tube Fiber Optic Cable
  Outdoor Steel Armored Multi-tube Fiber Optic Cable
  Outdoor Steel Armored Double Sheath Multi-tube Fiber Optic Cable
  Fiber Optic Dome Type Splice Enclosure
  Fiber Optic Inline Type Splice Enclosure
- **Local Area Network**
  Access Building Cable with Glass Yarn Strength Member
  Access Building Cable with Glass Yarn and Steel Tape Strength Member
  Indoor Tight Buffer Distribution Fiber Optic Cable
  19" Fiber Optic Patch Panel
  Fully Loaded Adapter Plate
  19" Rack Mounted ODF
  Wall Mount Box
  Fiber Optic Patch Panel, MTP/MPO to LC
  Copper & Fiber, Hybrid Patch Panel
  FO High Density Patch Panel
- **Connectivity**
  Fiber Optic MTP Trunk Cable
  Fiber Optic Patch Cord
  Fiber Optic Pigtail
  12 Pack Pigtail
  Adapter
  Field Assembly Connector
- **Fiber Optic Adapter Support Module**
- **FTTX**
  FTTH Distribution Cable
  FTTH Distribution Box
  FTTH Cable
  FTTD Wall Box
  Fiber Optic Faceplate
- **Rack Mounted Splitter**
- **PLC splitter module**
- **Blockless PLC splitter**

Fiber Optic Solution

More than 30 years ago, first fiber optic data cable had been installed and applied. Now, with the improvement of fiber optic technology and also considering competitive costs of the complete range of optic devices, our Fiber Optic Solution complies the high speed data network and telecommunication requirements.

Optic Fiber

Made by the most common substance, silicon dioxide (SiO2), in complete core diameter 9um - single mode, 62.5um - OM1, 50um – OM2/OM3/OM4/OM5, and with 125um refraction cladding, to afford light signal transmission supports long distance and high speed data network & telecommunication.

Technology

To use the light to transmit the signals from one place to another place over optic fiber, is due to the light propagates through the fiber with little attenuation also immune to electromagnetic interference. These advantages also contribute to fiber optic development and practical application.

Wide Area Network

Single mode fiber optic cables are increasingly used for long distance telecommunication & data network, so called classical WAN – wide area network. The fiber optic cable normally could be placed in outdoor conduits or directly in aerial installation.

Premium-Line WAN fiber optic system provides two installation types and customizes various cable constructions on your special requirements like ADSS - recommended, if electrical shock might happen and Figure 8 outdoor arial cable - the best for extreme weather conditions like heavy wind or ice. Premium-Line also provides outdoor accessories like splice closures, available for aerial, direct ground buried and duct installation purpose.

Local Area Network

In most classical premise cabling, SM or MM fiber optic cables are more used as backbone cabling. They convert the optical signals to electrical signals to the end subscriber through the corresponding copper communication cables. LAN cables also will be used for distances over 100 meters, which are not available for copper cables.

Regarding to the pure fiber optic cabling system, with the PON - passive optical network system develop, like IEEE E-PON, ITU G-PON, the one point to multipoint network. Also the extension base on above systems and protocol comes with FTTX applications which depend on the ONU location.

Premium-Line LAN fiber optic systems provides different type cables to fulfill these fiber optic solutions, especially the FTTH cable series, with customer's choice on normal G652D fibers, or G657A low bending loss fiber for complex corner-bending situation. Premium-Line is capable to provide you all types high quality and reliable fiber optic cables.

Component

Premium-Line solution includes a full range of optic devices, fiber optic cables, and also the accessories like pigtails, patch cords, adapters and different type of terminal boxes. Premium-Line has complete ranges of these components with low attenuation loss control, combines with fiber optic cables, support the complete channel with good headroom margin.

Optic Fiber

Single-mode Optic Fiber

Optical Characteristics			G652D	G657
Attenuation		@1310 nm	≤0.35 dB/KM	≤0.35 dB/KM
		@1383 nm	≤0.35 dB/KM (After H2 aging)	≤0.35 dB/KM (After H2 aging)
		@1550 nm	≤0.22 dB/KM	≤0.21dB/KM
		@1625 nm	≤0.24 dB/KM	≤0.23 dB/KM
Attenuation vs. Wavelength	@1310 nm	1285~1330 nm	≤0.03 dB/KM	≤0.03 dB/KM
	@1550 nm	1525~1375 nm	≤0.02 dB/KM	≤0.02 dB/KM
Dispersion Coefficient		1530~1565 nm	-	-
		1565~1625 nm	-	-
		1285~1340 nm	-3.0~3.0 ps/(nm.km)	-
		@1550 nm	≤18 ps/(nm.km)	≤18 ps/(nm.km)
		@1625 nm	≤22 ps/(nm.km)	≤22 ps/(nm.km)
Zero Dispersion Wavelength			1302~1322 nm.km	1300~1324 nm.km
Zero Dispersion Slope			≤0.090 ps/(nm².km)	≤0.092 ps/(nm².km)
Zero Dispersion Slope (Typical)			≤0.086 ps/(nm².km)	-
Polarization Mode Dispersion		Maximum Individual Fiber	≤0.2 ps/√km	≤0.2 ps/√km
		Design Link (Value M=20.0=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km
Cable Cut-off Wavelength			≤1260 nm	≤1260 nm
Mode Field Diameter		@1310 nm	9.2±0.4 μm	8.8±0.4 μm
		@1550 nm	10.4±0.5 μm	9.8±0.5 μm
Group Index of Refraction (Typical)		@1310 nm	1.466	1.466
		@1550 nm	1.467	1.467
Dimensions				
Cladding Diameter			124.8±0.7 μm	124.8±0.7 μm
Cladding Non-Circularity			≤0.7%	≤0.7%
Coating Diameter			245±5 μm	245±5 μm
Coating/Cladding Concentricity Error			≤12.0 μm	≤12.0 μm
Coating Non-Circularity			≤6.0%	≤6.0%
Core/Cladding Concentricity Error			≤0.5 μm	≤0.5 μm
Curl (Radius)			≥4 m	≥4 m
Environmental factors (@1310 nm/@1550 nm)				
Attenuation at Temperature cycling ⊿α (-60°C~+85°C)			≤0.05 dB/km	≤0.05 dB/km
Attenuation at Temperature-Humidity Cycling (-10°C~+85°C, 98% R.H.)			≤0.05 dB/km	≤0.05 dB/km
Attenuation at Damp Heat Dependence (85°C, 98% R.H., 30 days)			≤0.05 dB/km	≤0.05 dB/km
Attenuation at Watersoak Dependence (23°C, 30 days)			≤0.05 dB/km	≤0.05 dB/km
Mechanical Features				
Proof Test (Off Line)			≥9.0 N (≥100 kpsi)	≥9.0 N (≥100 kpsi)
Attention at Bending Dependence		1 Turn, 7.5 mm Radius	-	≤0.5 dB
		1Turn, 10 mm Radius	-	≤0.1 dB
		1Turn, 15 mm Radius	-	≤0.03 dB
		1Turn, 25 mm Radius	≤0.05 dB	-
Coating Strip Force (Typical)			1.7 N	1.7 N
Dynamics Stress Corrosion Susceptibility Parameter (Nd, Typical)			≥20	≥20

Fiber Optic Solution

Optic Fiber

Multimode Optic Fiber

Optical Characteristics		OM1	OM2	OM3	OM4
Attenuation	@ 850 nm	≤3.0 dB/KM	≤3.0 dB/KM	≤2.8 dB/KM	≤2.8 dB/KM
	@1300 nm	≤0.8 dB/KM	≤0.8 dB/KM	≤0.7 dB/KM	≤0.7 dB/KM
Bandwidth	@ 850 nm	≥200 Mhz.KM	≥200 Mhz.KM	≥1500 MHz. KM@LED	≥3500 MHz. KM@LED
				≥2000 MHz. KM@laser	≥4700 MHz. KM@laser
	@1300 nm	≥600 Mhz.KM	≥500 Mhz.KM	≥500 Mhz.KM	≥550 Mhz.KM
10Gb/s Ethernet Link Distance (10GBASE-SR)	@ 850 nm	33 M	82 M	300 M	550 M
Zero Dispersion Wavelength		1320~1365 nm	1295~1320 nm	1295~1320 nm	1295~1320 nm
Group Index of Refraction (Typical)	@850 nm	1.496	1.482	1.482	1.482
	@1300 nm	1.491	1.477	1.477	1.477
Dimensions					
Core Diameter		62.5±2.5 µm	50±2.5 µm	50±2.5 µm	50±2.5 µm
Cladding Diameter		124.8±1.0 µm	124.8±1.0 µm	124.8±1.0 µm	124.8±1.0 µm
Cladding Non-Circularity		≤1.0%	≤1.0%	≤1.0%	≤1.0%
Coating Diameter		245±7 µm	245±7 µm	245±7 µm	245±7 µm
Coating/Cladding Concentricity Error		≤12.0 µm	≤12.0 µm	≤12.0 µm	≤12.0 µm
Coating Non-Circularity		≤6.0%	≤6.0%	≤6.0%	≤6.0%
Core/Cladding Concentricity Error		≤1.5 µm	≤1.5 µm	≤1.0 µm	≤1.0 µm
Environmental factors (@850 nm/@1300 nm)					
Attenuation at Temperature cycling		≤0.10 dB/km	≤0.10 dB/km	≤0.10 dB/km	≤0.10 dB/km
△ α (-60°C~+85°C)					124.8±1.0 µm
Attenuation at Temperature-Humidity Cycling (-10°C~+85°C, 98% R.H.)		≤0.10 dB/km	≤0.10 dB/km	≤0.10 dB/km	≤0.10 dB/km
Attenuation at Damp Heat Dependence (85°C, 98% R.H., 30 days)		≤0.10 dB/km	≤0.10 dB/km	≤0.10 dB/km	≤0.10 dB/km
Mechanical Features					
Proof Test (Off Line)		≥9.0 N (≥100 kpsi)	≥9.0 N (≥100 kpsi)	≥9.0 N (≥100 kpsi)	≥9.0 N (≥100 kpsi)
Macrobend Loss (100 Turn, 25mm Radius)	850 nm	≤0.05 dB	≤0.05 dB	≤0.05 dB	≤0.05 dB
	1300 nm	≤0.05 dB	≤0.05 dB	≤0.05 dB	≤0.05 dB
Coating Strip Force (Typical)		1.5 N	1.5 N	1.5 N	1.5 N
Dynamics Stress Corrosion Susceptibility Parameter(Nd, Typical)		≥27	≥27	≥27	≥27

Wide Area Network

ADSS Fiber Optic Cable, 9/125um G652D

Customized Fiber Optic Cable

Premium-Line fiber optic technical team is capable to design various telecom systems cables for you, based on your requirements or local climate information.

All Dielectric Self Supporting Fiber Optic Cable

This kind of cable more often is installed on overhead power lines, gantries or poles, its' all dielectric construction protect it against electric shock impact or damage.

Normally, you can provide us the local climate information also the electrical field strength to design it accordingly.

Optic Fiber
Thixotropic Jelly
PBT Loose Tube
FRP Strength Member
Cable Jelly

Polyester Tape
Inner Sheath
Aramid Yarn
Outer sheath
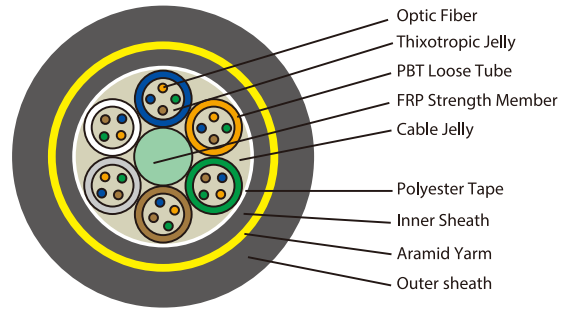
Cable Physical / Environmental Performance	
Maximum Span (more on request)	100 meters
Cable Sag (%)	1.0%
Temperature Range	-20°C to +70°C
Worst Environmental Conditions	100 kms/hr wind speed (No Ice)
Cable Characteristics	
Maximum Working Tension (No Fiber Strain)	4.12kN (420kg)
Estimated Tensile Strength	10.3kN (1050kg)
Thermal Coefficient of Expansion	20.83 x 10-6 °C
Area of Aramid	4.5mm^2
Approx. Cable Weight	120kg/km
Cable Diameter	12.2mm
Radial Thickness of Sheath	1.5mm
Minimum Bend Radius	Dynamic 700 mm, Static 350 mm
Crush Resistance	2000N/10cm
Water Penetration	No water penetration of the cable core, on a 3 meter sample, with a 1 meter head of water applied for 24 hours
Outer Sheath Material	HDPE (non anti-tracking)
Max. Electrical Field Strength	≤ 12 kV/m tested according to IEEE P1222

Environmental Condition and Cable Loads, Sags, etc.

Condition	Temp	Wind km/hr	Cable Load kgs	%UTS	Sag (mtrs) Vert	Plane	Blow Out Angle	Cable Elong %
EDS	25	-	150	14%	1	1	0	0.212
Low Temp, No Wind	0	-	184	18%	0.81	0.81	0	0.203
High Temp, No Wind	70	-	113	11%	1.33	1.33	0	0.233
Low Temp, Wind	0	100	294	28%	0.51	2.55	78.4	0.358
EDS Temp, Wind	25	100	273	26%	0.55	2.74	78.4	0.386
High Temp, Wind	70	100	279	24%	0.6	3	78.4	0.426

ADSS Fiber Optic Cable, 9/125um G652D, PE

Number of Fibers	12	24	48	72	96	144
PartNo.	260223012	260223024	260223048	260223072	260223096	260223144

Fiber Optic Solution

Wide Area Network
Outdoor Parallel Steel Wires & Steel Armored Uni-tube Fiber Optic Cable _____

Two parallel steel wires construction cable suits for aerial installation. With additional corrugated steel tape protection make it also available for duct installation.

- Outer sheath
- Corrugate Steel Tape
- Waterproof Tape
- Steel Wire
- Fiber Optic
- Jelly Compound
- Loose Tube
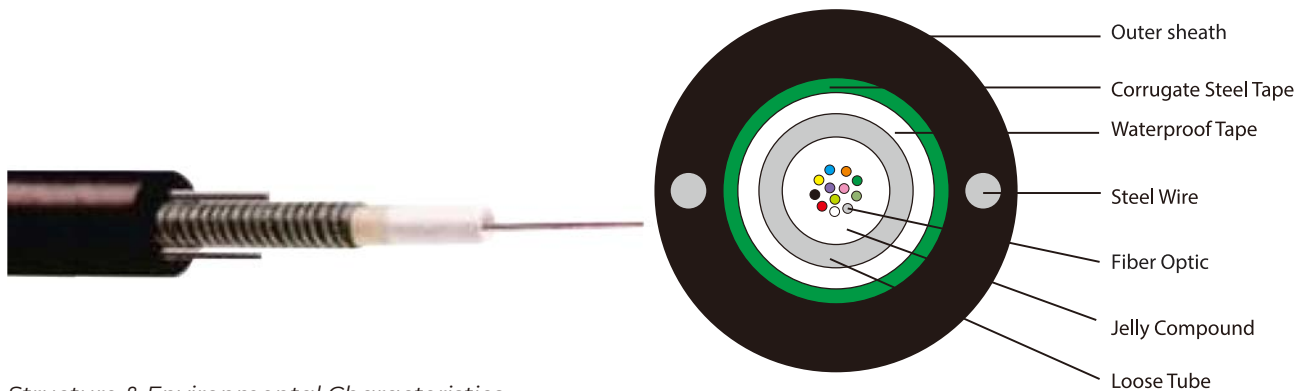
Structure & Environmental Characteristics

Loose Tube	Material	PBT
Peripheral Strength Member	Material	Steel Wire
	Diameter	1.0mm
Wrapping	Material	Waterproof Tape
Moisture Barrier	Material	Corrugated Steel Tape
Sheath	Material / Color	PE / black
Installation Temperature	-40°C ~ +70°C	
Operation Temperature	-40°C ~ +70°C	
Storage/Transport Temperature	-40°C ~ +70°C	

Mechanical Characteristics

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
			Short Term (N)	Long Term (N)	Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
4	8.7	82	1500	600	1000	300	10D	20D
6	8.7	82	1500	600	1000	300	10D	20D
8	8.7	85	1500	600	1000	300	10D	20D
12	8.7	90	1500	600	1000	300	10D	20D
24	11.5	124	1500	600	1000	300	10D	20D

Outdoor Parallel Steel Wires & Steel Armored Uni-tube Fiber Optic Cable, PE

Number of Fibers	9/125	50/125	62.5/125	50/125(OM3)	50/125(OM4)
4	267123004	267133004	267113004	267143004	267193004
6	267123006	267133006	267113006	267143006	267193006
8	267123008	267133008	267113008	267143008	267193008
12	267123012	267133012	267113012	267143012	267193012
24	267123024	267133024	267113024	267143024	267193024

LSOH is available upon request

Wide Area Network

Outdoor Steel Armored Multi-tube Fiber Optic Cable

Install the fiber optic cable inside of existed conduits, this need excellent tensile strength, also additional corrugated steel tape, armored against rodent. This kind of fiber optic cable is also available for campus cabling.
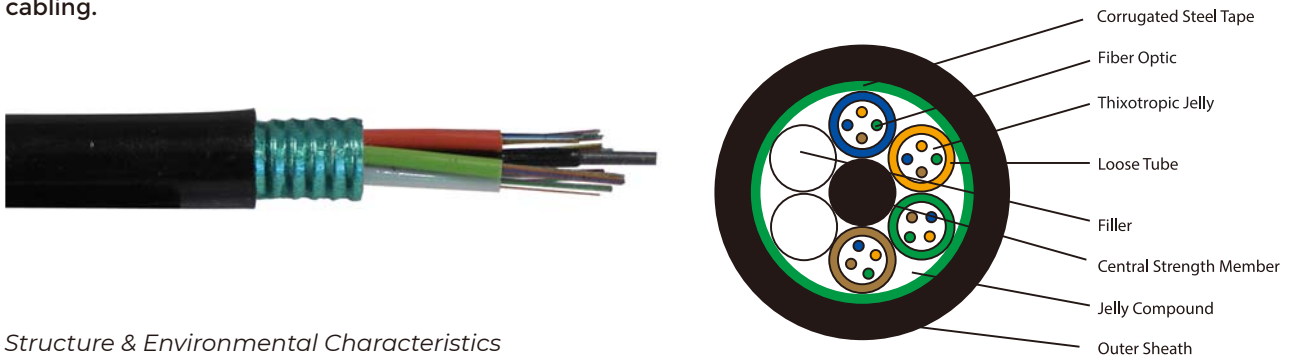
Corrugated Steel Tape
Fiber Optic
Thixotropic Jelly
Loose Tube
Filler
Central Strength Member
Jelly Compound
Outer Sheath

Structure & Environmental Characteristics

Loose Tube	Material	PBT
Strength Member	Material	Steel Wire
	Material	Corrugated Steel Tape
Moisture Barrier	Material	Jelly Compound
Sheath	Material / Color	PE / black
Installation Temperature	-40°C ~ +70°C	
Operation Temperature	-40°C ~ +70°C	
Storage/Transport Temperature	-40°C ~ +70°C	

Mechanical Characteristics

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
			Short Term (N)	Long Term (N)	Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
4	9.2	103	1500	600	1000	300	10D	20D
8	9.2	103	1500	600	1000	300	10D	20D
12	9.2	103	1500	600	1000	300	10D	20D
24	9.2	103	1500	600	1000	300	10D	20D
72	11.0	146	1500	600	1000	300	10D	20D
144	15.5	248	1500	600	1000	300	10D	20D

Outdoor Steel Armored Multi-tube Fiber Optic Cable, PE

Number of Fibers	9/125	50/125	62.5/125	50/125(OM3)	50/125(OM4)
4	265223004	265233004	265213004	265243004	265293004
8	265223008	265233008	265213008	265243008	265293008
12	265223012	265233012	265213012	265243012	265293012
24	265223024	265233024	265213024	265243024	265293024
72	265223072	265233072	265213072	265243072	265293072
144	265223144	265233144	265213144	265243144	265293144

LSOH is available upon request

Fiber Optic Solution

Wide Area Network

Outdoor Steel Armored Double Sheath Multi-tube Fiber Optic Cable

The two layer sheath provides good crush resistance performance, also the good mechanical and temperature performance. It performs excellent water resistance and moisture resistance especially in the direct buried application or conduit cabling.
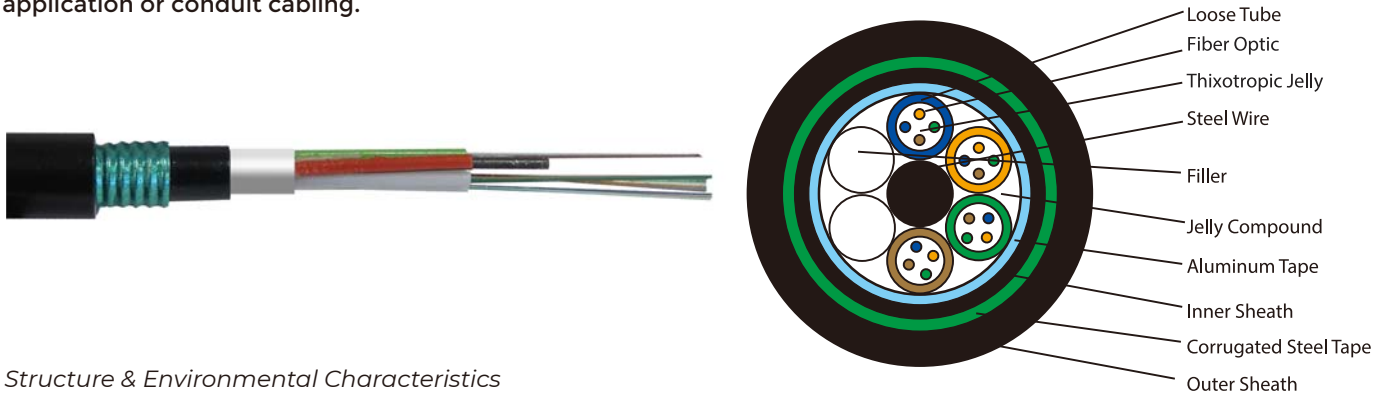
Loose Tube
Fiber Optic
Thixotropic Jelly
Steel Wire
Filler
Jelly Compound
Aluminum Tape
Inner Sheath
Corrugated Steel Tape
Outer Sheath

Structure & Environmental Characteristics

Loose Tube	Material	PBT
Strength Member	Material	Steel Wire
Wrapping	Material	Aluminium/Corrugated Steel Tape
Sheath	Material / Color	PE / black
Installation Temperature	-40°C ~ +70°C	
Operation Temperature	-40°C ~ +70°C	
Storage/Transport Temperature	-40°C ~ +70°C	

Mechanical Construction

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load Short Term (N)	Tensile Load Long Term (N)	Crush Load Short Term (N)	Crush Load Long Term (N)	Bend Radius Static (mm)	Bend Radius Dynamic (mm)
4	12.8	189	3000	1000	3000	1000	12.5D	25D
8	12.8	189	3000	1000	3000	1000	12.5D	25D
12	12.8	189	3000	1000	3000	1000	12.5D	25D
24	12.8	189	3000	1000	3000	1000	12.5D	25D
72	14.0	221	3000	1000	3000	1000	12.5D	25D
144	18.6	343	3000	1000	3000	1000	12.5D	25D

Outdoor Steel Armored Double Sheath Multi-tube Fiber Optic Cable, PE

Number of Fibers	9/125	50/125	62.5/125	50/125(OM3)	50/125(OM4)
4	266223004	266233004	266213004	266243004	266293004
8	266223008	266233008	266213008	266243008	266293008
12	266223012	266233012	266213012	266243012	266293012
24	266223024	266233024	266213024	266243024	266293024
72	266223072	266233072	266213072	266243072	266293072
144	266223144	266233144	266213144	266243144	266293144

LSOH is available upon request

Wide Area Network

Fiber Optic Dome Type Splice Enclosure

Premium-Line fiber optic dome type splice enclosure is in hermetically sealed design, easy for assembly and re-entry. The closure is designed with a gasketed split end plate for mid-access cable application and includes an integrated stack storage basket. Max. 6 × 24 cores splice trays support up to 144 cores splice inside and no need special tools for trays fixing or unloading. This type enclosure is available for aerial or wall mount application.

Features:
• Reliable mechanical sealing to prevent liquid or steam penetration
• Easy to open and reopen
• Available 2in 2out and 3in 3out types
• Splice tray capacity: 24 cores
• 2 in 2 out type up to 72 cores, 3in 3out type up to 144 cores
• Made by high strength engineering material to against impact or hit

541242402

Fiber Optic Dome Type Splice Enclosure

PART NO.	DESCRIPTION
541122402	FO Splice Closure, w/4 Cable Ports (2in, 2out), 48 Cores, Dome Type
541132402	FO Splice Closure, w/4 Cable Ports (2in, 2out), 72 Cores, Dome Type
541242402	FO Splice Closure, w/6 Cable Ports (3in, 3out), 96 Cores, Dome Type
541262402	FO Splice Closure, w/6 Cable Ports (3in, 3out), 144 Cores, Dome Type

Wide Area Network

Fiber Optic Inline Type Splice Enclosure

Premium-Line fiber optic inline type splice enclosure is in hermetically sealed design, easy for assembly and re-entry. The enclosure is in compact and water-tight design, provides good impact and low temperature resistance for wide applications. Max. 8 × 24 cores splice trays support up to 192 cores splice inside and no need special tools for trays fixing or unloading. This type enclosure is available for aerial duct and direct buried.

Features:
• Comply to IEC 1073-1:1994 test requirements
• Reliable mechanical sealing to prevent liquid or steam penetration
• Easy to open and reopen
• 6 cable entry ports (3in, 3out) for cable diameters of 23 mm(2), 20 mm(2), 16 mm(2)
• Splice tray capacity: 24 cores
• Maximum number of splice trays: 8
• Dimension: up to 192 cores , 450 × 216 × 110 mm; up to 192 cores, 450 × 216 × 160 mm
• Suit for areial, duct and direct buried application

542222402

Fiber Optic Inline Type Splice Enclosure

PART NO.	DESCRIPTION
542222402	FO Splice Closure w/6 Cable Ports (3in, 3out), 48 Cores
542232402	FO Splice Closure w/6 Cable Ports (3in, 3out), 72 Cores
542242402	FO Splice Closure w/6 Cable Ports (3in, 3out), 96 Cores
542262402	FO Splice Closure w/6 Cable Ports (3in, 3out), 144 Cores
542282402	FO Splice Closure w/6 Cable Ports (3in, 3out), 192 Cores

Fiber Optic Solution
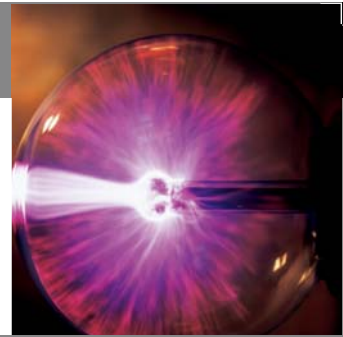
Local Area Network

Access Building Cable with Glass Yarn Strength Member _____

The optic fibers are positioned in a loose tube made of high modulus plastics. The tube is filled with filling compound to give the fibers excellent water proof performance. The glass yarn between the jacket and loose tube is a strength member and provides rodent resistance.

Fiber
Tube Filling Compound
Central Tube
Glass Yarn
Outer Sheath
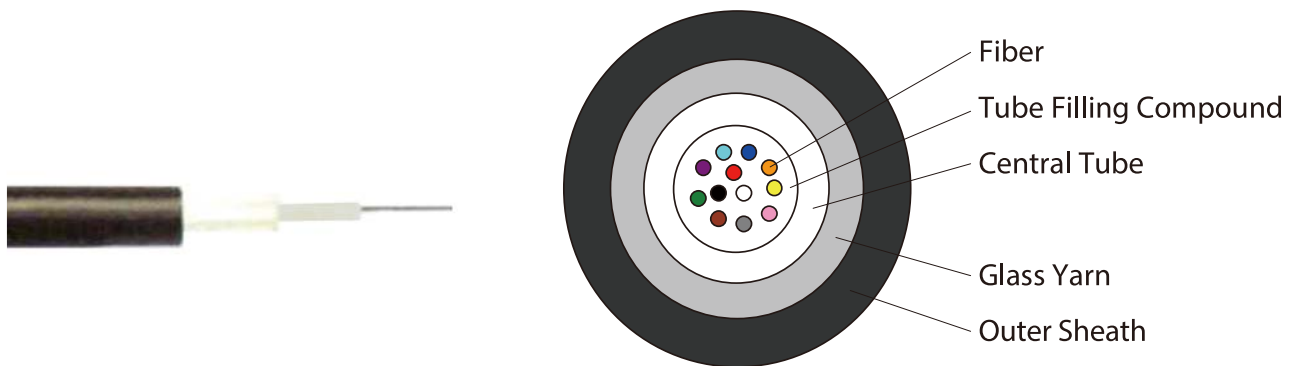
Structure & Environmental Characteristic

Loose Tube	Material	PBT
Filling Compund	Material	Thixotropic Gel
Peripheral Strength Member	Material	Glass Yarn
Sheath	Material / Color	PE / black
Operation Temperature	-20°C ~ +60°C	
Storage/Transport Temperature	-20°C ~ +60°C	
Installation Temperature	-5°C ~ +50°C	

Mechanical Characteristics

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load N/100mm	Crush Load		Bend Radius	
				Short Term (N)	Long Term(N)	Static (mm)	Dynamic (mm)
2~12	6.6	42	1000	1000	400	10D	20D
14~24	7.4	49	1000	1000	400	10D	20D

Outdoor Glass Strength Uni-tube Fiber Optic Cable, PE

Number of Fibers	9/125	50/125	62.5/125	50/125(OM3)	50/125(OM4)
4	263123004	263133004	263113004	263143004	263193004
6	263123006	263133006	263113006	263143006	263193006
8	263123008	263133008	263113008	263143008	263193008
12	263123012	263133012	263113012	263143012	263193012
24	263123024	263133024	263113024	263143024	263193024

LSOH is available upon request

Local Area Network

Access Building Cable with Glass Yarn and Steel Tape Strength Member _____

This kind of fiber optic cable comes additional corrugated steel tape strength member to provide double rodent protection. The compact design suits to duct buried application or conduit installation.
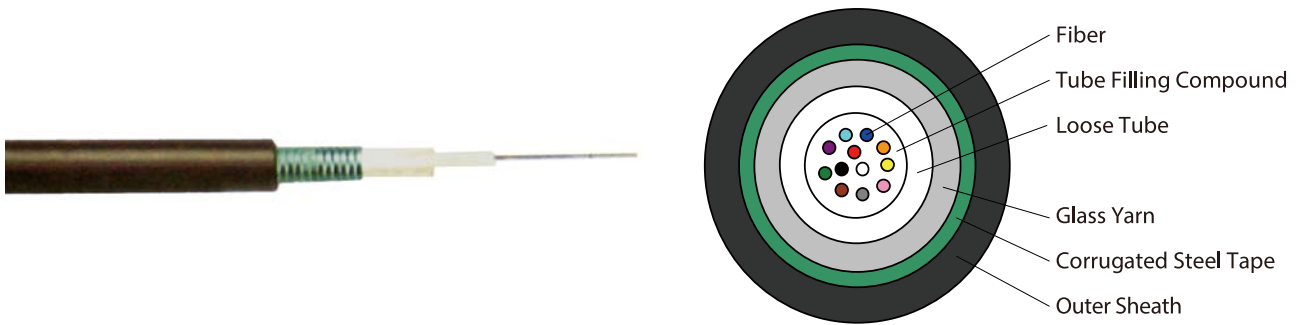
Structure & Environmental Characteristics

Loose Tube	Material	PBT
Filling Compound	Material	Thixotropic Jelly
Peripheral Strength Member	Material	Glass Yarn
Moisture Barrier	Material	Corrugated Steel Tape
Sheath	Material / Color	PE / black
Operation Temperature	-20°C ~ +60°C	
Storage / Transport Temperature	-20°C ~ +60°C	
Installation Temperature	-5°C ~ +50°C	

Mechanical Characteristics

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Crush Resistance N/100mm	Tensile Load		Bend Radius	
				Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
2~12	8.2	76	1000	1000	400	10D	20D
14~24	9.2	88	1000	1000	400	10D	20D

Outdoor Steel Armored Glass Strength Uni-tube Fiber Optic Cable, PE

Number of Fibers	9/125	50/125	62.5/125	50/125(OM3)	50/125(OM4)
4	265123004	265133004	265113004	265143004	265193004
6	265123006	265133006	265113006	265143006	265193006
8	265123008	265133008	265113008	265143008	265193008
12	265123012	265133012	265113012	265143012	265193012
24	265123024	265133024	265113024	265143024	265193024

LSOH is available upon request

Local Area Network

Indoor Tight Buffer Distribution Fiber Optic Cable

The 900µm tight buffer fibers are distributed in the center of the cable. The aramid yarn as strength member surround the fibers, provides excellent tensile strength when it's in installation, the cable is completed with a LSOH jacket. As the classical premise backbone cabling fiber optic cable, the compact construction is easy for field installation.

Outer Sheath

Aramid Yarm

Tight Buffer

Optic Fiber
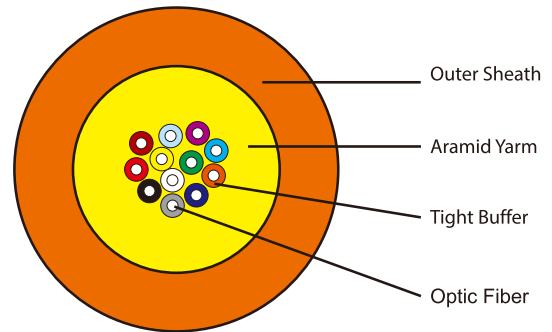
Structure & Environmental Characteristics

Tight Buffer	Material	LSOH
Peripheral Strength Member	Material	Aramid Yarn
Sheath	Material	LSOH
	Color	Yellow, Orange, Aqua
Operation Temperature	-20°C ~ +60°C	
Storage / Transport Temperature	-20°C ~ +60°C	
Installation Temperature	-5°C ~ +50°C	

Mechanical Characteristics

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Crush Resistance N/100mm	Tensile Load		Bend Radius	
				Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
2	3.2	10	1000	660	200	10D	20D
4	4.8	18	1000	660	200	10D	20D
6	5.1	22.5	1000	660	200	10D	20D
8	5.6	28	1000	660	200	10D	20D
12	6.2	38	1000	660	200	10D	20D
24	8.2	63	1000	1320	400	10D	20D

Tight Buffer Code

No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Braun	Grey	White	Red	Black	Yellow	Purple	Pink	Aqua
No.	13	14	15	16	17	18	19	20	21	22	23	24
Color	Blue w/Black Tracer	Orange w/Black Tracer	Green w/Black Tracer	Braun w/Black Tracer	Grey w/Black Tracer	White w/Black Tracer	Red w/Black Tracer	Black w/Black Tracer	Yellow w/Black Tracer	Purple w/Black Tracer	Pink w/Black Tracer	Aqua w/Black Tracer

Indoor Tight Buffer Distribution Fiber Optic Cable, LSOH

Number of Fibers	9/125	50/125	62.5/125	50/125(OM3)	50/125(OM4)
4	261322004	261332004	261312004	261342004	261392004
6	261322006	261332006	261312006	261342006	261392006
8	261322008	261332008	261312008	261342008	261392008
12	261322012	261332012	261312012	261342012	261392012

PVC is available upon request

Local Area Network

19" Fiber Optic Patch Panel

Premium-Line 19" rack mountable fiber optic patch panel is designed for both patching and splicing, accepts whole range of adapters including SC, ST, FC, LC adapters. 2 × Rear cable entries accommodate cables with diameter below 10mm. Inside splice trays, stacked and available for 48 cores (for LC) terminated inside, and cable spools with 35mm bending radius guarantee all modes fiber storage inside with additional low bending loss. Individual front adapter plate use screws to fix, easy to assemble and exchange. The metal frame is made of cold rolled steel/1.6 mm, and in 1U finished height.

Fiber Optic Patch Panel

PART NO.	DESCRIPTION
241100002	Fiber Optic Patch Panel Main Body, Black
242500002	Blank Panel for Fiber Optic Patch Panel, Black
242302082	8 port ST Front Panel for Fiber Optic Patch Panel, Black
242301082	8 port SC Front Panel for Fiber Optic Patch Panel, Simplex, Black
243000005	Splice Cassette, for 12-port, Grey

Local Area Network

Fully Loaded Adapter Plate

Premium-Line provides you fully loaded adapter panel, with whole range of fiber adapter types. The changeable adapter plate design makes sure it can be easily and quickly changed. Saving your time, saving your expenses.

Fully Loaded Adapter Plate

PART NO.	DESCRIPTION
242311082	8 port SC, Adapter Panel Simplex, MM, Fully Loaded, Black
242321082	8 port SC, Adapter Panel Simplex, SM, Fully Loaded, Black
242312082	8 port ST, Adapter Panel Simplex, MM, Fully Loaded, Black
242322082	8 port ST, Adapter Panel Simplex, SM, Fully Loaded, Black
242414082	8 port LC, Adapter Panel Duplex, MM, Fully Loaded, Black
242424082	8 port LC, Adapter Panel Duplex, SM, Fully Loaded, Black
242313082	8 port FC, Adapter Panel, Simplex, MM, Fully loaded, black
242323082	8 port FC, Adapter Panel, Simplex, SM, Fully loaded, black

Other ports options upon request

Fiber Optic Solution
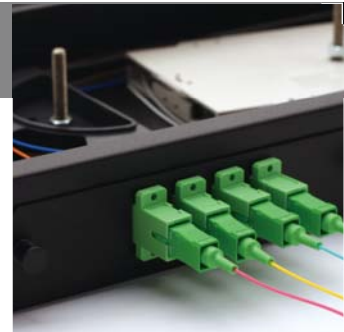
Local Area Network

19" Rack Mounted ODF

Premium-Line rack mounted optic distribution frame – ODF suits for standard 19" server cabinet installation. This ODF is available for maximum 96 cores terminated inside with SC or FC connectors & adapters, or 192 cores for LC duplex adapters. Two simplex adapters stack design make it in easy way for pair coupling distribution in classical fiber network operations. The front door is removable during installation and easily seal with two plastic lockers.

For the cable storage, management and future deployment, the front adapter panel and splice position are all in rotate design, easy for any operations inside.

19" Rack Mounted ODF

PART NO.	DESCRIPTION
245001965	19" Rack Mounted ODF, 96 Cores, w/ Splice Trays, w/o Adapter
245011965	19" Rack Mounted ODF, 96 Cores, w/ SC/PC MM Simplex Adapter Loaded
245021965	19" Rack Mounted ODF, 96 Cores, w/ SC/PC SM Simplex Adapter Loaded
245014965	19" Rack Mounted ODF, 96×2 Cores, w/ LC/PC MM Duplex Adapter Loaded
245024965	19" Rack Mounted ODF, 96×2 Cores, w/ LC/PC SM Duplex Adapter Loaded
245001485	19" Rack Mounted ODF, 48 Cores, w/ Splice Trays, w/o Adapter
245011485	19" Rack Mounted ODF, 48 Cores, w/ SC/PC MM Simplex Adapter Loaded
245021485	19" Rack Mounted ODF, 48 Cores, w/ SC/PC SM Simplex Adapter Loaded

Local Area Network

Wall Mount Box

Premium-Line wall mount fiber optic box is used for the direct termination of fibers. The rear section accommodates cable entry and protects against taking out the cables. Box includes two separate sections for fusion splice trays and for routing optical connecting modules to the equipment. The Premium-Line four-rack space fiber optic enclosure contains all of the features of the two-rack space model, but with additional capacity to manage fiber counts up to 96. Cable entry/exit feature utilizes a flexible grommet seal, which is cut at time of installation to accommodate the desired cable diameters for entry and exit points. These grommets provide a dust & debris barrier during and after installation.

Wall Mount Box

PART NO.	DESCRIPTION
251011240	24 Port SC Wall Mount Fiber Optic Box without Adapters
251012240	24 Port ST Wall Mount Fiber Optic Box without Adapters
251011480	48 Port SC Wall Mount Fiber Optic Box without Adapters
251012480	48 Port ST Wall Mount Fiber Optic Box without Adapters

![premium line logo](premium line®)

Local Area Network
Fiber Optic Patch Panel, MTP/MPO to LC

Features:
• Plug and play fiber solution eliminates in-field termination and fusion splice, reduces installation cost and time
• Fits all standard 19 inch racks, height / port number: 1U / 48 Ports
• Suitable for MPO/MTP to LC/SC modules (P/N 2470xywz2)
• Material/thickness of body and adapter panels: cold rolled steel
• ANSI/TIA-568.3-D:2016
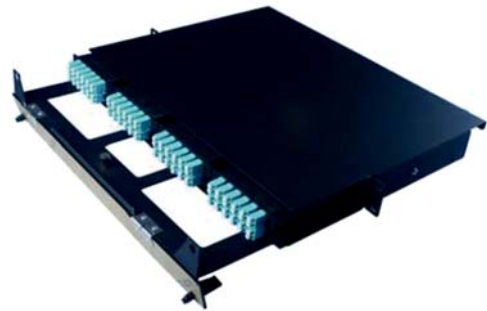
Fiber Optic Patch Panel

PART NO.	DESCRIPTION
246104482	19" 1U Fiber Optic Patch Panel, 48 Ports, Main Body, Black

Local Area Network
Copper & Fiber, Hybrid Patch Panel

Premium-Line Hybrid patch panel is specially designed for flexible deployment for a Data Center cabling. It's a switchable connection way for copper and fiber. This product for 19" rack installation, 24 ports includes copper & fiber. 2 interface plates are easily plug in, and extract the interface plate, convenient for connector installation. The inside hexagonal bolt is a compact design for fiber cable steel member fixing. The fiber plug to install LC duplex quick port jack recommend to use with Premium-Line LC duplex adapter & fiber patch cord. The copper plug to install RJ45 keystone jack, recommend to use with Premium-Line keystone jack & patch cord.

Copper & Fiber, Hybrid Patch Panel

PART NO.	DESCRIPTION
248100242	19" Copper & Fiber, Hybrid Patch Panel, 24 Ports, No-load, Black

Fiber Optic Solution

Local Area Network
Fiber Optic High Density Patch Panel

Premium-Line fiber optic high density unique design patch panel, with maximum LC connecting & cabling, adopt the high-strength environmental light weight material and superior surface treatment technique, which makes the panel to achieve complete function and various flexible cabling solution.

Features:
• 1U/144F LC or 72F SC
• 2U/288F LC or 144F SC
• 4U/576F LC or 288F SC
• Standard 19" Patch Panel
• Independent plug-in cassette
• Environmental light weight Aluminum material
• Front-end cable management
• Stable adapter structure
• Compatible with 8F&12F solution
• Replaceable label and layer remark
• Duplex and Quad adapter available
• Various connectors are optional
• MPO-LC fan out and LC/SC trunk cable
• Multi-applications in Data center and FTTx

Fiber Optic High Density Patch Panel

PART NO.	DESCRIPTION
661100002	Fiber Optic High Density Patch Panel,1U,w/o modules/cassettes
663010012	Cassette for HD FO Panel MPO/MTP to MPO/MTP, 12 ports, type A
662112112	Cassette for HD FO Panel MPO/MTP to LC, 12 ports, OM3, LC Duplex,12MPO, female, type A

Other type upon request

Connectivity

Fiber Optic MTP Trunk Cable

Premium-Line MTP patch cord connector type upon request, including SC, LC. The patch cord length is according to actual objects.

Features:
• Product conforms: IEC61754-7,IEC61754-20
• Insertion loss conforms: IEC61300-3-4
• Return loss conforms: IEC61300-3-6
• Environmentally stable in optical performance
• Provide total immunity to electrical interference
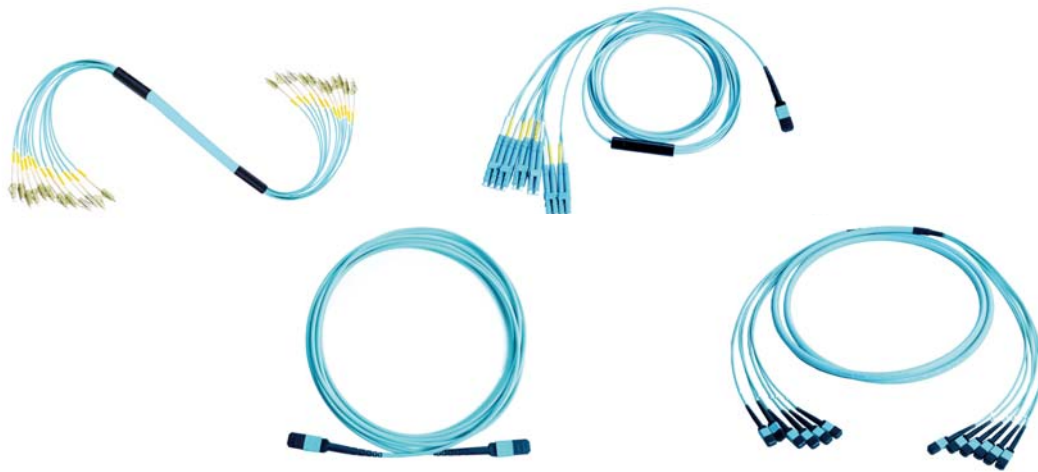
Fiber Optic MTP Trunk Cable

PART NO.	DESCRIPTION
81116622L	Fiber Optic MTP-MTP(12C) Trunk Cable, 12core, SM 9/125, LSOH, Male-Male
81146622L	Fiber Optic MTP-MTP(12C) Trunk Cable, 12core, OM3, LSOH, Male-Male
81117732L	Fiber Optic MTP-MTP(24C) Trunk Cable, 24core, SM 9/125, LSOH, Male-Male
81147732L	Fiber Optic MTP-MTP(24C) Trunk Cable, 24core, OM3, LSOH, Male-Male
8116922L	Fiber Optic MTP(12C)-LC/UPC Trunk Cable, 12core, SM 9/125, LSOH, Male Type
8146922L	Fiber Optic MTP(12C)-LC/UPC Trunk Cable, 12core, OM3, LSOH, Male Type
8117932L	Fiber Optic MTP(24C)-LC/UPC Trunk Cable, 24core, SM 9/125, LSOH, Male Type
8147932L	Fiber Optic MTP(24C)-LC/UPC Trunk Cable, 24core, OM3, LSOH, Male Type
8019922L	Fiber Optic LC/UPC-LC/UPC Trunk Cable, 12core, SM 9/125, LSOH
8049922L	Fiber Optic LC/UPC-LC/UPC Trunk Cable, 12core, OM3, LSOH
8019932L	Fiber Optic LC/UPC-LC/UPC Trunk Cable, 24core, SM 9/125, LSOH
8049932L	Fiber Optic LC/UPC-LC/UPC Trunk Cable, 24core, OM3, LSOH

"L" as a substitute for length:

010 = 1 m 020 = 2 m 030 = 3 m 050 = 5 m 100 = 10 m 001=100m

Other length, cable jacket, polarity fiber count, PVC sheath upon request

Fiber Optic Solution
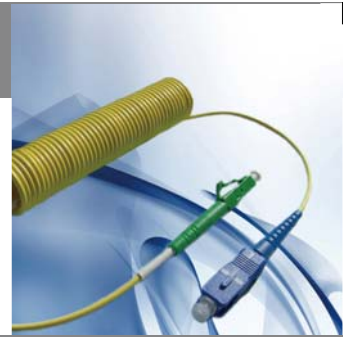
Connectivity
Fiber Optic Patch Cord

Fiber optic patch cords are suited for equipment jumper cable, cross connects, and work area connections. All patch cords are 100% factory tested to ensure performance to ANSI/TIA-568.3-D:2016, ISO/IEC 11801-1:2017 and EN 50173-1 standards. With complete connector range of SC, ST, LC, FC, and also the different mode of fiber cables, consists of various combination for all-field applications.

Patch Cord Characteristics

Mechanical Test	Additional Loss
Mating Durability: Min.1000 times	≤0.1 dB
Cable Retention:100 N, 120 s	≤0.2 dB
Strength of Coupling Mechanism: 40 N, 120 s	≤0.1 dB
Drop Test: 1.5 m, 5 times	≤0.2 dB
Vibration: 10-500Hz,1.5mm amplitude	≤0.1dB
Temperature Test	Additional Loss
Cold Environment Storage: -40 °C, 96 h	≤0.2 dB
High Temperature Storage: +85 °C, 96 h	≤0.2 dB
Temperature Change: -40 °C ~ +85 °C, 20 Cycles	≤0.2 dB
Damp Heat: +25 °C ~ +65 °C, 93% RH, 100 h	≤0.2 dB

Fiber Optic Patch Cord LSOH

PART NO.	DESCRIPTION
213666L	SC/UPC-SC/UPC Duplex Single Mode Patch Cord, 9/125
212666L	SC/UPC-SC/UPC Duplex Multimode Patch Cord, 50/125
214666L	SC/UPC-SC/UPC Duplex Multimode Patch Cord, OM3 50/125
218666L	SC/UPC-SC/UPC Duplex Multimode Patch Cord, OM5 50/125
213677L	ST/UPC-ST/UPC Duplex Single Mode Patch Cord, 9/125
212677L	ST/UPC-ST/UPC Duplex Multimode Patch Cord, 50/125
214677L	ST/UPC-ST/UPC Duplex Multimode Patch Cord, OM3 50/125
218677L	ST/UPC-ST/UPC Duplex Multimode Patch Cord, OM5 50/125
213688L	FC/UPC-FC/UPC Duplex Single Mode Patch Cord, 9/125
212688L	FC/UPC-FC/UPC Duplex Multimode Patch Cord, 50/125
214688L	FC/UPC-FC/UPC Duplex Multimode Patch Cord, OM3 50/125
218688L	FC/UPC-FC/UPC Duplex Multimode Patch Cord, OM5 50/125
213899L	LC/UPC-LC/UPC Duplex Single Mode Patch Cord, 9/125
212899L	LC/UPC-LC/UPC Duplex Multimode Patch Cord, 50/125
214899L	LC/UPC-LC/UPC Duplex Multimode Patch Cord, OM3 50/125
218899L	LC/UPC-LC/UPC Duplex Multimode Patch Cord, OM5 50/125

"L" as a substitute for length:

010 = 1m 020 = 2m 030 = 3m 050 = 5m 070 = 7m 100 = 10m

Other length, APC, simplex, PVC sheath upon request
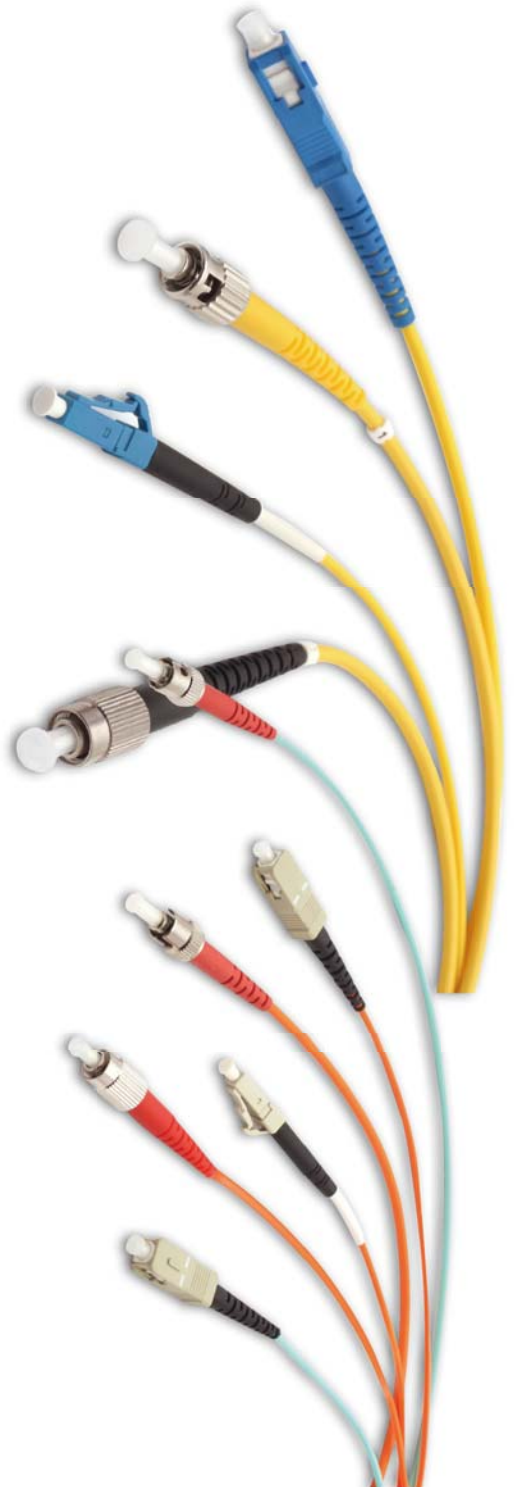
Connectivity

Fiber Optic Pigtail _____

Fiber Optic Pigtail LSOH

PART NO.	DESCRIPTION
223313L	SC/UPC Single Mode Pigtail, 9/125, 0.9 mm
222313L	SC/UPC Multimode Pigtail, 50/125, 0.9mm
224313L	SC/UPC Multimode Pigtail, OM3 50/125, 0.9 mm
228313L	SC/UPC Multimode Pigtail, OM5 50/125, 0.9 mm
223343L	LC/UPC Multimode Pigtail, OM3 50/125, 0.9 mm
222343L	LC/UPC Multimode Pigtail, OM5 50/125, 0.9 mm
224343L	LC/UPC Single Mode Pigtail, 9/125, 0.9 mm
228343L	LC/UPC Multimode Pigtail, 50/125, 0.9 mm
223333L	FC/UPC Single Mode Pigtail, 9/125, 0.9mm
222333L	FC/UPC Multimode Pigtail, 50/125, 0,9mm
224333L	FC/UPC Multimode Pigtail, OM3 50/125, 0.9mm
228333L	FC/UPC Multimode Pigtail, OM5 50/125, 0.9mm
223323L	ST/UPC Single Mode Pigtail, 9/125, 0.9mm
222323L	ST/UPC Multimode Pigtail, 50/125, 0,9mm
224323L	ST/UPC Multimode Pigtail, OM3 50/125, 0.9mm
228323L	ST/UPC Multimode Pigtail, OM5 50/125, 0.9mm

"L" as a substitute for length:
010 = 1 m 020 = 2 m 030 = 3 m 050 = 5 m 070 = 7 m 100 = 10 m
Other length, type, APC, PVC sheath upon request

Connectivity

12 Pack Pigtail _____

Premium-Line 12 pack pigtail integrated design with good performance will be your better choice. Completely connector range including FC, ST, SC, LC, 12 different colorful sheath as easy indication, use additional outer jacket wrapping protect the pigtails also ease to manage.

12 Pack Pigtail LSOH

PART NO.	DESCRIPTION
223613L	SC/UPC 12 Pack Pigtail, SM 9/125
221613L	SC/UPC 12 Pack Pigtail, MM 62.5/125
222613L	SC/UPC 12 Pack Pigtail, MM 50/125
224613L	SC/UPC 12 Pack Pigtail, OM3 50/125
223643L	LC/UPC 12 Pack Pigtail, SM 9/125
221643L	LC/UPC 12 Pack Pigtail, MM 62.5/125
222643L	LC/UPC 12 Pack Pigtail, MM 50/125
224643L	LC/UPC 12 Pack Pigtail, OM3 50/125
223623L	ST/UPC 12 Pack Pigtail, SM 9/125
221623L	ST/UPC 12 Pack Pigtail, MM 62.5/125
222623L	ST/UPC 12 Pack Pigtail, MM 50/125
224623L	ST/UPC 12 Pack Pigtail, OM3 50/125
223633L	FC/UPC 12 Pack Pigtail, SM 9/125
221633L	FC/UPC 12 Pack Pigtail, MM 62.5/125
222633L	FC/UPC 12 Pack Pigtail, MM 50/125
224633L	FC/UPC 12 Pack Pigtail, OM3 50/125

"L" as a substitute for length: 010 = 1 m 020 = 2 m 030 = 3 m 050 = 5 m 070 = 7 m 100 = 10 m
Other length, type, UPC/APC, PVC sheath upon request

Fiber Optic Solution

Connectivity

Adapter

Premium-Line provides fiber optic adapters including ST, SC, LC and FC. All adapters are produced with a zirconia sleeve for universal applications (MM/SM). All SC and LC adapters are provided with retaining clips for easy, snap-in mounting. And performance meets with ANSI/TIA-568.3-D:2016 standard.

Adapter

PART NO.	DESCRIPTION
231111108	SC/PC Duplex MM Adapter, Zirconia Ceramic Sleeve, Beige
231211104	SC/PC Duplex SM Adapter, Zirconia Ceramic Sleeve, Blue
231411106	SC/APC Duplex SM Adapter, Zirconia Ceramic Sleeve, Green
231111408	LC/PC Duplex MM Adapter, Zirconia Ceramic Sleeve, Beige
231211404	LC/PC Duplex SM Adapter, Zirconia Ceramic Sleeve, Blue
231411406	LC/APC Duplex SM Adapter, Zirconia Ceramic Sleeve, Green
231121200	ST/PC MM Adapter, Zirconia Ceramic Sleeve
231221200	ST/PC SM Adapter, Zirconia Ceramic Sleeve
231121310	FC/PC MM small D-flange adapter, Zirconia Ceramic Sleeve
231221310	FC/PC SM small D-flange adapter, Zirconia Ceramic Sleeve

Other type, simplex, APC upon request

Connectivity

Field Assembly Connector

Field assembly connector is very easy installable and re-usable field assembly connector which the fiber can be connected / disconnected only by on/off of a small latch attached on connector body, which is composed of two parts of a connector body and a boot it is designed to have the structure and the function to construct the more economic FTTH network.

Field Assembly Connector

PART NO.	DESCRIPTION
236x20yzw	Field Assembly Connector

«x», 1=MM; 2=SM «y», 1=SC/APC; 4=LC/APC; 6=SC/UPC; 9=LC/UPC
«z», 3=0.9 mm (only for LC); 4=2.0 mm (only for SC); 5=3.0mm (only for SC) «w», 1=beige; 4= blue; 6=green

Fiber Optic Adapter Support Module

Premium-Line fiber optic adapter support module fits to 12182x010 USA faceplate and unloaded patch panel (P/N 170242402, 178242402). SC support module available for both LC duplex and SC simplex adapters, ST support module available for both ST and FC D flange type adapters. Which material is UL-94V-0 high-impact, fire-retardant ABS resin.

127120000   127220000

Fiber Optic Adapter Support Module

PART NO.	DESCRIPTION
127120000	Fiber Optic SC simplex/ LC Duplex Type Adapter Support Module, w/o Adapter Loaded, Black
127220000	Fiber Optic ST/FC Type Adapter Support Module, w/o Adapter Loaded, Black

White on request

FTTX
FTTH Distribution Cable

Premium-Line outdoor metal free FTTH distribution cable is ideal design for the distribution from main street cabinet or central telecommunication room to ONU (optic network unit) for subscribers' houses or apartment residential buildings. The stranded construction is ideal for ease multiple ONUs distribution and also as a riser cable in the building.
• ITU-G652D fibers in use, OS2 grading after cabled (att. <0.4dB @ 1310nm/1550nm)
• 2 cores per tube design, ideal for FTTx 1:8,1:16, 2:16 or 2:32 fiber channels distribution
• Double water-proof members, excellent water resistance performance
• User-friendly "Dry Core" design, for comfortable and easy installation
• Outer diameter 10.8mm available fits with ODN access holes
• Metal free construction could install with exist utility, like power lines
• MM cores available upon request

Fiber	Fiber
Tube filling compound	Tube filling compound
Loose tube	Loose tube
Water-blocking yarn	Water-blocking yarn
Water-blocking tape	Water-blocking tape
PE sheath	PE sheath
FRP strength member	FRP strength member

2~12CORES, 2CORES PER TUBE   ABOVE 12 CORES, 4CORES PER TUBE
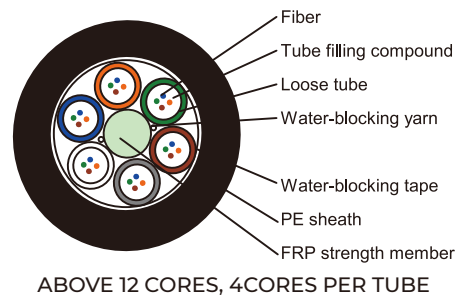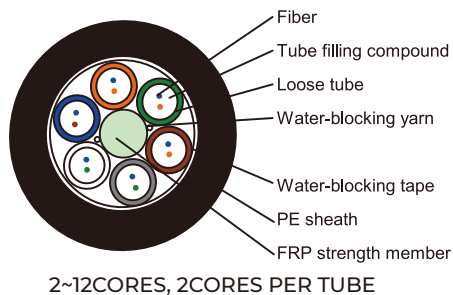
Technical Parameters

Parameter		Units	Value / Details
Fiber Type			ITU-T G652D
Fiber Count			4, 6, 12, 24
Cable Diameter		mm	10.8
Cable Weight		Kg/Km	90
Cable Sheath, Radial		mm	1.8 Nominal
Tensile Strength		N	1000
Bending Radius	Dynamic		≥ 20 x Cable Diameter
	Static		≥ 10 x Cable Diameter
Crush Resistance		N/10cm	1000
Operation Temperature			-40 to +70 for PE; -20 to +70 for LSOH

FTTH Distribution Cable

PART NO.	DESCRIPTION
264223xxx2	Outdoor metal free stranded FO cable, dry core for FTTx distribution, PE, Black
264222xxx2	Metal Free Stranded FO Cable, Dry Core for FTTx Distribution, LSOH, Black

"xxx" fiber cores, 004/006/008/012/024

Fiber Optic Solution

FTTX
FTTH Distribution Box

The optical network unit to the single house, floor distribution of residence building and upon head power utility installation, always requires compact design, easy installation and operation, as well as weather durable characteristics. Premium-Line FTTH distribution box is aim designed for multi-purpose applications in FTTH projects, the dual layer design supports direct termination, and also FTTH distributions via mini splitter built in, available to 1:8, 1:16 and 2:16 distributions with Premium-Line FTTH distribution cable. The special designed cable exit fits with FTTH drop flat cable, guarantee the IP grading before and after operations. 4ports, 8ports, 16ports, 24ports, 36port s and 48ports is optional.

Features:
• Main body made by ABS, inner structure made by PC
• Anti-UV and water proof design for both indoor and outdoor uses
• Accommodates splitters and apply to SC simplex adapters
• Additional fix position for outdoor cables
• IP 55 protection level, all weather use

Applications
• Widely used in FTTH access network
• Telecommunication Networks
• CATV networks
• Local area networks

Operation Condition:
• Temperatures: -40°C – +60°C
• Humidity: 93% at 40°C
• Air Pressure: 62kPa – 101kPa

253211240

FTTH Distribution Box

PART NO.	DESCRIPTION
253211xx0	FTTH Distribution Box, SC Simplex Type, without Adapters

«xx», 04=4ports; 08=8ports; 16=16ports; 24=24ports; 36=36ports; 48=48ports

FTTX

FTTH Cable

As the increasing demand on the communication transmission and exchange capacity, traditional copper based access solutions will not comply with the request of high bandwidth and longer distance. Also, with the maturity fiber optic premise network & protocol implementation and developing, like 1G-EPON, 10G-EPON, GPON, the fiber trend is not a far future trend.

Fiber to the home (FTTH), the optic fiber directly links the multi-subscribers to the LAN with real high bandwidth provision. As the final access to the subscriber, Premium-Line FTTH low bending loss drop flat series cables are aimed design for this high bandwidth network. The excellent optic performance with competitive price is your right choice.

Sheath

Optic Fiber

Strength Member (FRP)
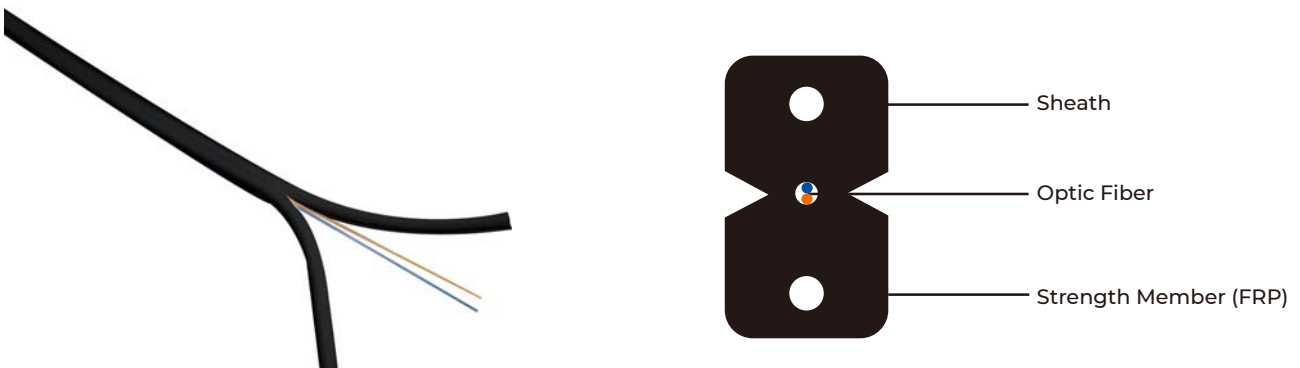
Structure & Environmental Characteristics

Peripheral Strength Member	Material	FRP
	Diameter	0.5mm
Sheath	Material / Color	LSOH / Black
Operation Temperature	-20°C ~ +60°C	

Mechanical Characteristics

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Strength		Crush Resistance		Bend Radius	
			Short Term (N)	Long Term (N)	Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
2	2.0 × 3.0	8.5	80	40	1000	500	15	30

Optical Performance

Uncabled Fiber Macrobending Loss	G652D	G657A2	62.5/125	50/125(OM3)
Radius	30	15	10	7.5
Number of Turns	100	10	1	1
Max. at 1550nm (dB)	-	0.03	0.1	0.5
Max. at 1625nm (dB)	0.1	0.1	0.2	1.0

FTTH Cable

PART NO.	DESCRIPTION
261422002	FO ID Cable, FTTH w/Two FRP Strength Members, Flat Type, SM9/125(G652D), 2C, LSOH
261462002	FO ID Cable, FTTH w/Two FRP Strength Members, Flat Type, SM9/125(G657A2), 2C, LSOH

As premises complex corner-bending situation, to conquer and avoid bending loss, Premium-Line provides G652D, G657A2 fibers for your option.

Fiber Optic Solution

FTTX
FTTD Wall Box _____

FTTD – fiber to the desktop, Premium-Line featured FTTD wall box is ideal design to support extend FTTH network direct to your desktop!

Features:
• Standard 86×86 size and quality material in use,
• Side adapter position to avoid direct eye contact
• Wall mountable or other surface attach
• Inner cable routing radius over 20mm, good for additional loss control
• 2 side paths for FTTH drop flat cable
• 2 adapter positions

252311021

FTTD Wall Box

PART NO.	DESCRIPTION
252311021	Fiber Optic FTTD Wall Box, 86×86, SC Simplex

FTTX
Fiber Optic Faceplate _____

86×86 Size

Premium-Line Fiber optic faceplate is in standard 86×86 design. It's available to secure to any surface, drywall, baseboard, and even modular furniture. It' s available 2 types, SC duplex (LC quad), ST dual ports, 45°adapter plug- in/out angle avoid any hurt from the light.

Features:
• 100% compatible with standard 86*86 back box
• Adapter can be snapped in and out easily
• Comes with hidden mounting screws and clear outlet ID labels
• Apply UL-94V-0 high-impact, fire-retardant ABS resin
• RoHS compliant

252012021   252021011

Fiber Optic Faceplate

PART NO.	DESCRIPTION
252021011	Fiber Optic SC Duplex Faceplate, 86×86, 1 Port, White
252012021	Fiber Optic ST Simplex Faceplate, 86×86, 2 Port, White

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FTTX
FTTH Splitters

It is impossible to imagine the network market without GPON technology. GPON is a multi-service broadband access network, where one cable provides Internet, telephony and television services with guaranteed quality of service. GPON is a personal fiber channel with bandwidths up to 1 Gb/s.
The technology is actively developing all over the world and the number of subscribers is growing rapidly.
In response to requests from our clients, we are expanding our solutions to support GPON networks and now we are offering splitters of the following configuration.
Suitable for installation of FC, SC, LC, etc. adaptors, and suitable for plastic box type PLC splitters module (P/N 25xxxyyyz).

APPLICATIONS:

- Optical LAN & WAN & CATV
- FTTH project & FTTX Deployments
- Broadband High-bit rate data transmission
- Active device terminations
- Testing instruments
- Optical fiber communication networks
- PON Networks
- Optical Signal Distribution

2x8
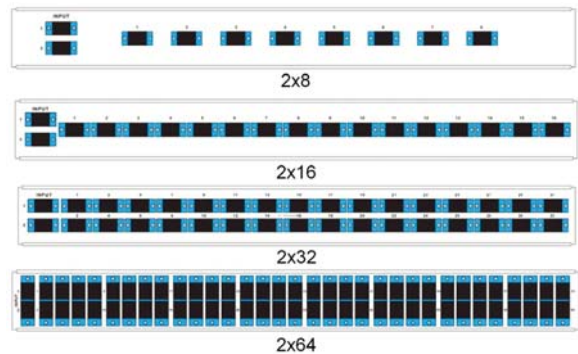
2x16

2x32

2x64

FTTH Rack Mounted Splitter

PART NO.	DESCRIPTION
254xxxyz2	1U 19" Rack Mounted PLC Splitter, black

xxx: input & output   102: 1x2, 104: 1x4, 108: 1x8, 116: 1x16, 132: 1x32, 164: 1x64
                                       202: 2x2, 204: 2x4, 208: 2x8, 216: 2x16, 232: 2x32, 264: 2x64
y, adapter loaded 0:   unloaded 1 : MM adapter loaded 2: SM adapter loaded
                                       4: APC adapter loaded
z, adapte type   1: SC   2: ST   3: FC   4: LC duplex

Other type upon request

Fiber Optic Solution

FTTX
PLC splitter module

Features:
• Low excess loss
• Excellent directivity
• Good channel-to-channel uniformity
• Low PDL
• High cost-effectiveness
• High environmental and mechanical stability

FTTD PLC splitter module

PART NO.	DESCRIPTION
25xxx010z	PLC splitter module, 2.0mm loose-tube fiber, G657A1, ABS, 1m

xxx: input & output   102: 1x2, 104: 1x4, 108: 1x8, 116: 1x16, 132: 1x32, 164: 1x64
                                       202: 2x2, 204: 2x4, 208: 2x8, 216: 2x16, 232: 2x32, 264: 2x64
z: connector   0: without connector
                                         1: SC/APC, 2: FC/APC, 4: LC/APC
                                         6: SC/UPC, 8: FC/UPC, 9: LC/UPC
Other type upon request

FTTX
Blockless PLC splitter

Features:
• Low insertion loss and high uniformity
• Excellent Environmental Stability
• Low polarization Dependent Loss
• Stability Telecordia GR-1221 and GR-1209
• Bare fiber type, blockless type, module type (plastic cassette type), fan-out type, LGX box type, rack mount

Blockless PLC splitter

PART NO.	DESCRIPTION
23xxx010z	Blockless PLC splitter, 900um loose-tube fiber,G657A1

xxx: input & output   102: 1x2, 104: 1x4, 108: 1x8, 116: 1x16, 132: 1x32
                                       202: 2x2, 204: 2x4, 208: 2x8, 216: 2x16, 232: 2x32
z: connector   0: without connector
                                         1:SC/APC, 2:FC/APC, 4: LC/APC,
                                         6:SC/UPC, 8:FC/UPC, 9: LC/UPC
Other type upon request

![premium line logo]

- *Installation Cable*
  Category 6A S/FTP Outdoor Installation Cable
  Category 6A U/UTP Outdoor Installation Cable, Dual Layer
  Category 6 F/UTP Outdoor Installation Cable, Dual Layer
  Category 6 U/UTP Outdoor Installation Cable
  Category 6 U/UTP Outdoor Aerial Installation Cable
  Category 5e F/UTP Outdoor Installation Cable
  Category 5e U/UTP Outdoor Installation Cable

- *Toolless RJ45 Plug*
  Category 6A Shielded Toolless RJ45 Plug
  Category 6A Angled Shielded Toolless RJ45 Plug
  Category 6A Unshielded Toolless RJ45 Plug
  Category 6 Unshielded Toolless RJ45 Plug
  Category 5e Unshielded Toolless RJ45 Plug

- *Industrial Faceplate*

- *Industrial Copper Patch Cords*

- *Industrial Fiber Optic Patch Cords*

- *DIN Rail Adapter*

Industrial Solution

Industrial solutions

The industrial segment has a lot of features and deserves special attention. To be a successful company means to rely on the market requirements and quickly respond to all changes. Achieving these goals involves the control of all production processes and product supply. These goals require reliable and high-performance information systems.

Today, for the full functioning of an industrial enterprise, all its structures from the factory to the sales department must be united by a single data transmission network.

Ethernet networks provide transportation for data transmission, equipment control signals, telephony and video information. This makes it possible, within the same network, to support remote management both in the office and in production. However, such network integration requires a coherent network structure and solutions for use in different environmental conditions.

If in office premises standard cabling systems are used, but there are a lot of strict requirements apply in the production premises. Aggressive environments, extreme temperatures, long distances pose make the new challenges for manufacturers of SCS components. Shutdown of the highly automated industrial network can lead to serious losses and even be not safe.

The industrial Ethernet market is developing rapidly and creates new solutions and know-how in the field of industrial communications. Each new or improved solution requires extraordinary levels of quality and safety. Reacting to the requests and demands of the market, Premium-Line has created a portfolio of solutions for implementing cable systems in the industrial environments. They are presented in this section.

premium line ®

Installation Cable
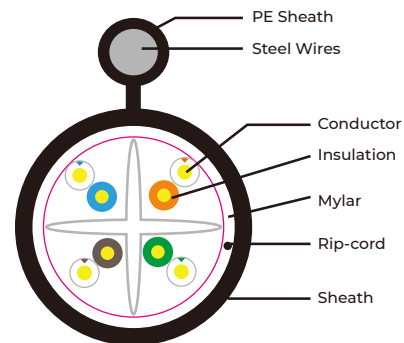## Category 6A S/FTP Outdoor

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-11-1:2012
- IEC 61156-5:2012(Edition 2.0)
- EN50173-1:2011
- RoHS compliant (EU Directive 2011/65/EC)

Application:
- CCTV IP system video, voice transmission
- 10GBASE-T Ethernet,
- 1000BASE-T Gigabit Ethernet,
- 100BASE-TX Fast Ethernet,
- 10BASE-T Ethernet,
- Voice

Conductor
Insulation
Al-Pet
Braiding
Jacket
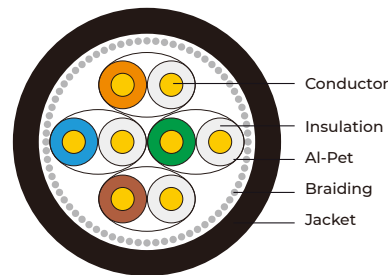
Construction

Conductor	Material / Construction	Bare Copper / 23 AWG
Insulation	Material	Foam-Skin PE
	Diameter	1.38± 0.1 mm
Inner-Shield	Material	Al-PET foil around each pair
Braid	Material	Tinned copper covered aluminium
Sheath	Material	PE / Black
	Diameter	7.8±0.1mm
Operation Temperature		-40°C ~60°C

Electrical Performance

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		Return Loss (dB)		ACR (dB)	PSACR (dB)
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Typ.	Typ.
1	2.1	2.0	74.3	78.0	72.3	75.0	20.0	20.0	76.0	73.0
4	3.8	3.4	65.3	78.0	63.3	75.0	23.0	23.0	74.3	71.3
10	5.9	5.8	59.3	78.0	57.3	75.0	25.0	25.0	72.1	69.1
16	7.5	7.4	56.2	78.0	54.2	75.0	25.0	25.0	70.6	67.6
31.25	10.5	10.4	51.9	78.0	49.9	75.0	23.6	23.6	67.6	64.6
62.5	15.0	14.8	47.4	75.4	45.4	72.4	21.5	21.5	60.6	57.6
100	19.1	19.0	44.3	72.4	42.3	69.4	20.1	20.1	53.4	50.4
250	31.1	30.9	38.3	66.4	36.3	63.4	17.3	17.3	35.5	32.5
500	47.6	45.2	33.2	61.9	31.2	58.9	14.9	17.3	31.1	28.1
600	50.0	50.1	32.7	60.7	30.7	57.7	14.6	17.3	27.1	24.1

Category 6A S/FTP Outdoor Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
729443222	Category 6A S/FTP Outdoor Installation Cable, PE, Black, 500m/reel	57(O.D.)x22(H) cm

www.premiumline-cabling.com

Industrial Solution

Installation Cable

Category 6A U/UTP Outdoor Dual Layer

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-11-1:2012
- IEC 61156-5:2012(Edition 2.0)
- EN50173-1:2011
- RoHS compliant (EU Directive 2011/65/EC)

Application:
- 10GBASE-T Ethernet,
- 1000BASE-T Gigabit Ethernet,
- 100BASE-TX Fast Ethernet,
- 10BASE-T Ethernet,
- Voice
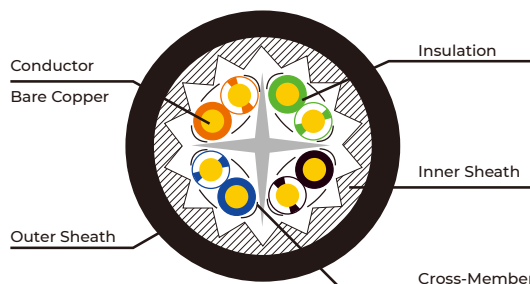
Construction

Conductor	Material / Construction	Bare Copper / 23 AWG
Insulation	Material	HDPE
	Diameter	1.03± 0.1 mm
Cross-Member	Material	PE
1st Layer	Material	PVC
	Diameter	7.3±0.30mm
2nd Layer	Material	PE / Black
	Diameter	8.6±0.50mm
Operation Temperature		-40°C ~60°C

Electrical Performance

Frequency (MHz)	Insertion Loss (dB)		NEXT (dB)		PSNEXT (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1	2.1	1.7	74.3	102.0	72.3	100.0	67.8	99.8	64.8	91.5	20.0	26.5
4	3.8	3.3	65.3	95.0	63.3	94.2	55.7	94.0	52.7	80.7	23.0	36.0
10	5.9	5.3	59.3	93.0	57.3	92.9	47.8	87.8	44.8	72.6	25.0	43.0
16	7.5	6.8	56.2	90.0	54.2	90.5	43.7	79.8	40.7	68.4	25.0	49.0
20	8.4	7.6	54.8	87.0	52.8	87.1	41.7	76.9	38.7	66.4	25.0	52.0
31.25	10.5	9.5	51.9	84.0	49.9	84.5	37.9	73.1	34.9	62.9	23.6	48.0
62.5	15.0	13.7	47.4	82.0	45.4	82.3	31.8	68.3	28.8	56.3	21.5	48.0
100	19.1	17.5	44.3	77.0	42.3	77.9	27.8	63.1	24.8	51.8	20.1	45.0
200	27.6	25.1	39.8	74.0	37.8	74.2	21.7	50.3	18.7	46.9	18.0	43.0
250	31.1	28.1	38.3	72.0	36.3	72.3	19.8	50.7	16.8	44.2	17.3	37.0
300	34.3	30.9	37.1	70.0	35.1	69.3	18.2	49.2	15.2	42.1	16.8	34.0
400	40.1	36.1	35.3	68.0	33.3	68.1	15.7	44.2	12.7	41.3	15.9	34.0
500	45.3	40.5	33.8	66.0	31.8	65.9	13.8	41.3	10.8	39.5	15.2	34.0

Category 6A U/UTP Outdoor Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
729149122	Category 6A U/UTP Outdoor Installation Cable, Dual Layer, PE, Black, 305m/reel	45(O.D.)x26(H) cm

Installation Cable
Category 6 F/UTP Outdoor Dual Layer

Standards:
- **ANSI/TIA-568.2-D:2018**
- **ISO/IEC 11801-1:2017**
- **CENELEC EN 50288-11-1:2012**
- **IEC 61156-5:2012(Edition 2.0)**
- **EN50173-1:2011**
- **RoHS compliant (EU Directive 2011/65/EC)**

Application:
- **1000BASE-T Gigabit Ethernet,**
- **100BASE-TX Fast Ethernet,**
- **10BASE-T Ethernet,**
- **Campus backbone for CCTV System**
- **Outside plant applications**
- **Voice**

Drain wire
Conductor
Insulation
Filler
Mylar
Al-Pet
Inner Jacket
Outer Jacket
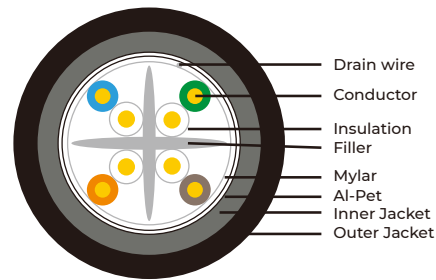
Construction

Conductor	Material / Construction	Bare Copper / 23 AWG
Insulation	Material	PE
	Diameter	1.08 ± 0.10mm
Inner-Shield	Aluminum-Mylar	Al-Mylar tape
"+" cross	Material	PE
Drain Wire	Material/Size	Tinned Copper / 26AWG
1st Layer	Material	PVC
	Diameter	7.2±0.20mm
2nd Layer	Material	PE / Black
	Diameter	8.2±0.40mm
Operation Temperature		-40°C ~60°C

Electrical Performance

Dielectric Strength of Insulation		1200 V dc or 850 V ac / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ/m		
Conductor Resistance		Max.9.38 Ω/100m at 20°C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	1~100MHz	100Ω ± 15%		
	100~250MHz	100Ω ± 22%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max. Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
	1MHz	2.0*	74.3*	72.3*
	4MHz	3.8*	65.3*	63.3*
	10MHz	6.0*	59.3*	57.3*
	16MHz	7.6*	56.2*	54.2*
	20MHz	8.5*	54.8*	52.8*
	31.25MHz	10.7*	51.9*	49.9*
	62.5MHz	15.4*	47.4*	45.4*
	100MHz	19.8*	44.3*	42.3*
	200MHz	29.0*	39.8*	37.8*
	250MHz	32.8*	38.3*	36.3*

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula:

NEXT (f MHZ) ≥ NEXT (0.772) - 15LOG10 (f MHZ/0.772) dB

Category 6 F/UTP Outdoor Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
726248122	Category 6 F/UTP Outdoor Installation Cable, Dual Layer, PE, Black, 305m/reel	40*40*31cm

Installation Cable

Category 6 U/UTP Outdoor

Premium-Line Category 6 gel filled cable is ideally designed for outdoor cabling. Each conductor made by annealed 23AWG bare copper, guarantees the conductor elongation strength, the semi-solid compound filling around each pair, against the water penetration and protects inner insulation from vile weather. The cable completed with excellent PE out sheath, ensures it could endure all weather condition in temperature range -40°C ~60°C.

Standards:
- **ANSI/TIA-568.2-D:2018**
- **ISO/IEC 11801-1:2017 CLASS E**
- **CENELEC EN 50173-1**
- **CENELEC EN 50288-6-1,**
  IEC 61156-5 for horizontal cable

Application:
- **CCTV IP system video, voice transmission**
- **POE system**
- **1000BASE-TX (Gigabit Ethernet)**
- **1000BASE-T (Gigabit Ethernet)**
- **100BASE-TX Fast Ethernet**
- **10BASE-T Ethernet**
- **Voice**
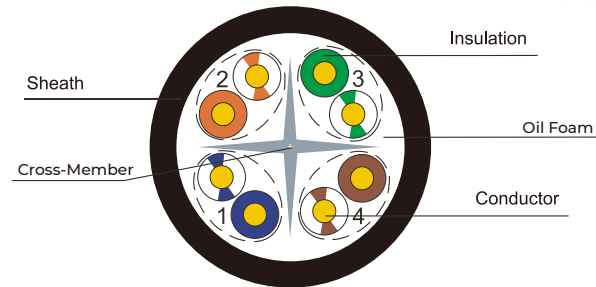
Construction

Conductor	Material / size	Bare Copper / 23 AWG
Insulation	Material	HDPE
Filling Compound		Oil Foam
Sheath	Material	PE
	Diameter	7.2± 0.5 mm
Operation Temperature		-40°C ~60°C

Electrical Performance

(MHz)	(dB)		(dB/100m)		(dB)		(dB)		(dB)		(dB)		PS ACR-F		Return Loss	
	Nor.		Typ.		Nor.		Typ.		Nor.		Typ.		Nor.		Typ.	
1.0	1.9	1.7	65.0	67.1	62.0	64.1	64.2	76.4	61.2	74.5	19.1	26.1	Nor.	Typ.	Nor.	Typ.
4.0	3.5	3.2	64.1	68.8	61.8	65.8	52.1	64.5	49.1	62.4	21.0	32.5	64.8	79.8	20.0	29.0
10.0	5.5	5.2	57.8	60.8	55.5	57.8	44.2	56.4	41.2	54.5	21.0	34.1	52.8	67.8	23.0	32.0
16.0	7.0	6.7	54.6	56.6	52.2	53.6	40.1	52.3	37.1	40.4	20.0	30.6	44.8	59.8	25.0	38.0
20.0	7.9	7.6	53.1	55.1	50.7	52.1	38.2	50.4	35.2	48.5	19.5	31.0	40.7	55.7	25.0	34.0
31.25	10.0	9.7	50.0	53.4	47.5	50.4	34.3	46.4	31.3	44.5	18.5	31.5	38.8	53.8	25.0	34.0
62.5	14.4	14.2	45.1	48.0	42.7	45.0	28.3	40.5	25.3	38.5	16.0	27.4	34.9	49.9	23.6	32.0
100.0	18.6	18.3	41.8	44.4	39.3	41.4	24.2	36.3	21.2	34.0	14.0	26.0	28.9	43.9	21.5	32.0
200.0	27.4	27.1	36.9	39.0	34.3	36.0	18.2	30.5	15.2	28.1	11.0	23.8	24.8	39.8	20.1	32.0
250.0	31.1	30.8	35.3	37.2	32.7	34.2	16.2	28.5	13.2	26.1	10.0	22.5	20	35.7	18.7	31.0

Category 6 U/UTP Outdoor Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
726143122	Category 6 U/UTP Outdoor Installation Cable, Oil foam, PE, -40°C, Black, 305m/reel	35(O.D)x29.8(H)cm

Installation Cable

Category 6 U/UTP Outdoor Aerial

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-11-1:2012
- IEC 61156-5:2012(Edition 2.0)
- EN50173-1:2011
- RoHS compliant (EU Directive 2011/65/EC)

Application:
- 1000BASE-T Gigabit Ethernet,
- 100BASE-TX Fast Ethernet,
- 10BASE-T Ethernet,
- Campus backbone for CCTV System
- Outside plant applications
- Voice

PE Sheath
Steel Wires
Conductor
Insulation
Mylar
Rip-cord
Sheath

Construction

Conductor	Material / Construction	Bare Copper / 23 AWG
Insulation	Material	HDPE
	Diameter	1.02 ± 0.10mm
Sheath	Material	LDPE / black
	Thickness	0.55 ± 0.05 mm
	Diameter	6.6 ± 0.4 mm
Steel Wires	Diameter	1.2 mm
Operation Temperature		-40°C ~ +60°C

Electrical Performance

Dielectric Strength of Insulation		1200 V dc or 850 V ac / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ/m		
Conductor Resistance		Max.9.38 Ω/100m at 20°C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	1~100MHz	100Ω ± 15%		
	100~250MHz	100Ω ± 22%		
Attenuation & Near End Cross Talk	Frequency (MHz)	Max. Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
	1MHz	2.0*	74.3*	72.3*
	4MHz	3.8*	65.3*	63.3*
	10MHz	6.0*	59.3*	57.3*
	16MHz	7.6*	56.2*	54.2*
	20MHz	8.5*	54.8*	52.8*
	31.25MHz	10.7*	51.9*	49.9*
	62.5MHz	15.4*	47.4*	45.4*
	100MHz	19.8*	44.3*	42.3*
	200MHz	29.0*	39.8*	37.8*
	250MHz	32.8*	38.3*	36.3*

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula:

NEXT (f MHZ) ≥ NEXT (0.772) - 15LOG10 (f MHZ/0.772) dB

Category 6 U/UTP Outdoor Aerial Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
796143222	Category 6 U/UTP Outdoor Aerial Installation Cable, PE, Black, 500m/reel	56(O.D.) 21(H) cm

Industrial Solution

Installation Cable

Category 5e F/UTP Outdoor

Standards:
- ANSI/TIA-568.2-D:2018
- ISO/IEC 11801-1:2017
- CENELEC EN 50288-11-1:2012
- IEC 61156-5:2012(Edition 2.0)
- EN50173-1:2011
- RoHS compliant (EU Directive 2011/65/EC

Application:
- 1000BASE-T Gigabit Ethernet,
- 100BASE-TX Fast Ethernet,
- 10BASE-T Ethernet,
- Campus backbone for CCTV System
- Outside plant applications
- Voice
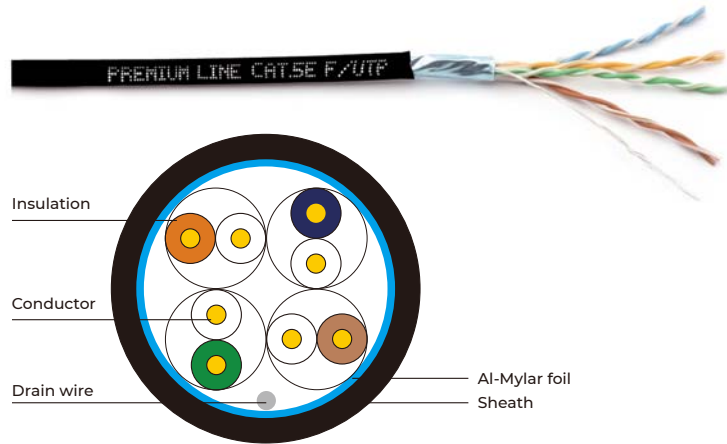
Construction

Conductor	Material/ Size	Bare Copper/ 24 AWG
Insulation	Material	Form-skin, PE
	Diameter	1.055±0.10 mm
Shield	Al-Mylar type / Mylar type	Insulation on outside surface
Drain wire	Material / Size	Tinned copper / 26AWG
Sheath	Material	LDPE/ Black
	Diameter	6.0±0.4 mm
Operation Temperature		-40°C to +60°C

Electrical Performance

Dielectric Strength of Insulation		1200 V dc or 850 V ac / 2 seconds		
Insulation Resistance Test		Min. 5000 MΩ/m		
Conductor Resistance		Max.9.38 Ω/100m at 20°C		
Resistance Unbalance		Max. 2%		
Capacitance Unbalance		Max. 160 pF/100m		
Mutual Capacitance		Max. 5600 pF/100m		
Impedance	1~100MHz	100Ω ± 15%		
Key Electrical Attributes	Frequency (MHz)	Max. Attenuation (dB/100 meters)	NEXT (dB), Min.	PSNEXT (dB), Min.
	1MHz	2.0*	65.3*	62.3*
	4MHz	4.1*	56.3*	53.3*
	10MHz	6.5*	50.3*	47.3*
	16MHz	8.2*	47.2*	44.2*
	20MHz	9.3*	45.8*	42.8*
	31.25MHz	10.7*	42.9*	39.9*
	62.5MHz	17.0*	38.4*	35.4*
	100MHz	22.0*	35.3*	32.3*

The asterisked (*) value are for information only. The minimum Next coupling loss for any pair combination at room temperature is to be greater than the value determined using the formula:

NEXT (f MHZ) ≥ NEXT (0.772) - 15LOG10 (f MHZ/0.772) dB

Category 5e F/UTP Outdoor Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
725243122	Category 5e F/UTP Outdoor Installation Cable, PE, Black, 305m/reel	40(O.D.) 21(H) cm

Installation Cable

Category 5e U/UTP Outdoor

Premium-Line Category 5e gel filled cable is ideal design for outdoor cabling. Each conductor is made of annealed 24AWG bare copper, to guarantee the conductor elongation strength. The semi-solid compound filling around each pair saves against water penetration and protects inner insulation from vile weather. The cable is finished with excellent PE out sheath to ensure it could endure all weather condition in temperature range -40°C ~60°C.

Standards:
- **ANSI/TIA-568.2-D:2018**
- **ISO/IEC 11801-1:2017**
- **CENELEC EN 50173-1**
- **CENELEC EN 50288-3-1**

Application:
- **1000BASE-T Gigabit Ethernet**
- **100BASE-TX Fast Ethernet**
- **10BASE-T**
- **Voice, ISDN**
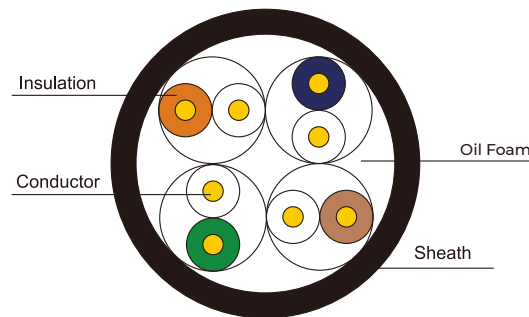
Construction

Conductor	Material / size	Bare Copper / 24AWG
Insulation	Material	HDPE
Sheath	Material	PE
Filling Compound		Oil Foam

Mechanical & Environmental Characteristics

Bend Radius	≥ 6D, without load
	≥8D, with load
Operation Temperature	-40°C~+60°C
Installation Temperature	-10°C~+50°C
Storage Temperature	-50°C~+70°C

Electrical Performance

Freq (MHz)	Insertion Loss (dB)		NEXT (dB/100m)		PS NEXT (dB)		ACR (dB)		ACR-F (dB)		PSACR-F (dB)		Return Loss (dB)	
	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.	Nor.	Typ.
1.0	2.0	1.8	65.3	77.7	62.3	75.2	63.3	75.9	63.8	69.2	60.8	68.5	20.0	40.1
4.0	4.1	3.7	56.3	68.7	53.3	66.0	52.2	64.9	51.7	57.5	48.7	57.0	23.0	40.1
10.0	6.5	6.0	50.3	60.7	47.3	58.3	43.8	54.5	43.8	49.0	40.8	48.2	25.0	37.3
16.0	8.2	7.7	47.3	56.1	44.3	53.7	39.1	48.3	39.7	45.6	36.7	43.8	25.0	36.7
20.0	9.3	8.6	45.8	55.3	42.8	52.9	36.5	46.5	37.7	43.6	34.7	42.8	25.0	36.0
31.25	11.7	10.8	42.9	52.7	39.9	50.0	31.2	41.6	33.9	40.1	30.9	39.3	23.6	32.6
62.5	17.0	15.5	38.4	48.0	35.4	45.5	21.4	32.2	27.8	34.7	24.8	33.5	21.5	31.6
100.0	22.0	19.8	35.3	44.5	32.3	42.2	13.3	24.2	23.8	30.4	20.8	29.4	20.1	31.7

Category 5e U/UTP Outdoor Installation Cable

PART NO.	DESCRIPTION	PACKING SIZE
725143122	Category 5e U/UTP Outdoor Installation Cable, Oil Foam, PE, -40°C, Black, 305m/reel	30(O.D.) x 25(H) cm

Industrial Solution

Toolless RJ45 Plug

Category 6A Shielded Toolless RJ45 Plug

Premium-Line Category 6A Toolless RJ45 Plug is engineered to provide full shield protection and reliability, support up to 10 Gigabit Ethernet applications and ensure maximum performance and superior signal quality.

- Meeting the ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN50173-1 specifications.
- Complying with category 6A patch cord testing performance requirements.
- Connector accepts 22-26 AWG solid and stranded shielded cables.
- Supporting T568 A&B wiring & easy installation.
- Terminating cable without tools.
- Ideal for industrial applications.

CHARACTERISTICS

IDC Connector	Characteristics
Operating Life	Minimum 250 re-terminations
Contact Material	Phosphor bronze
IDC Contact Plating	100μ inch nickel plated
IDC Material	PC, UL94 V-0

RJ45 Plug	Characteristics
Contact Plating	50μ Inch Gold plated over Phosphor Bronze
Operating Life	Minimum 1500 re-insertion
Housing Material	PC, UL94 V-0

Printed Circuit Board	Characteristics
Materials	FR-4, UL94 V-0
Thickness	1.6 mm

PART NO.	DESCRIPTION	PACKING SIZE
159210001	Category 6A Shielded Toolless RJ45 Plug	53.8x31x23cm
159210011	Category 6A Angled Shielded Toolless RJ45 Plug	53.8x31x23cm

Toolless RJ45 Plug

Category 6A Unshielded Toolless RJ45 Plug

- Meeting the ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN50173-1 specifications.
- Complying with category 6A patch cord testing performance requirements.
- Connector accepts 22-26 AWG solid and stranded unshielded cables.
- Supporting T568 A&B wiring & easy installation.
- Terminating cable without tools.
- Ideal for industrial applications.
- Temperature range: -10° to 60°

CHARACTERISTICS

IDC Connector	Characteristics
Operating Life	Minimum 250 re-terminations
Contact Material	Phosphor bronze
DC Contact Plating	100μ inch nickel plated
IDC Material	PC, UL94 V-0

RJ45 Plug	Characteristics
Contact Plating	50μ Inch Gold plated over Phosphor Bronze
Operating Life	Minimum 1500 re-insertion
Housing Material	PC, UL94 V-0

PART NO.	DESCRIPTION	PACKING SIZE
159100002	Category 6A Unshielded Toolless RJ45 Plug	53.8*31*23 cm

Unshielded Toolless

Unshielded Toolless RJ45 Plug Category 6/5e

- Meeting the ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN50173-1 specifications.
- Complying with category 6 patch cord testing performance requirements.
- Connector accepts 22-26 AWG solid and stranded UTP cables.
- Supporting T568 A&B wiring & easy installation.
- Terminating cable without tools
- Ideal for industrial applications

CHARACTERISTICS

IDC Connector	Characteristics
Operating Life	Minimum 200 re-terminations
Contact Material	0.5 mm thickness Alloy
IDC Contact Plating	Tin plated over Nickel
IDC Material	PC, UL94 V-0

RJ45 Plug	Characteristics
Contact Plating	50μ Inch Gold plated over Phosphor Bronze
Operating Life	Minimum 200 re-insertion
Housing Material	PC, UL94 V-0
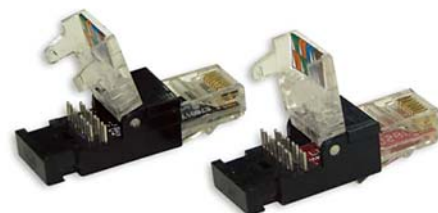
PART NO.	DESCRIPTION	PACKING SIZE
156100002	Category 6 Unshielded Toolless RJ45 Plug	42.4x35.2x27cm
155100002	Category 5e Unshielded Toolless RJ45 Plug	42.4x35.2x27cm

Industrial Solution

Industrial Face Plate
Industrial Face Plate with Shielded Keystone Jack

- Keystone jack' s performance conform to ANSI/TIA-568.2-D:2018, ISO/IEC 11801-1:2017 and EN 50173-1 specifications
- SupportsT568 A&B wiring
- Terminate using 110 or Krone tools
- Face plate material: stainless steel, sealing material: FKM
- Face plate thickness:1.0mm, size: 130×130mm
- Back box material: ABS, size: 128×128×67mm
- Ingress protection rating: IP67, according to IEC 60529:2001-02

Industrial Face Plate

PART NO.	DESCRIPTION	PACKING SIZE
129910y00	Industrial Face Plate, with Category 6A Shielded Keystone Jack	52x40x32cm

«y», 1=1port; 2=2ports

Industrial Patch Cord
Category 6A S/FTP Industrial Patch Cord

Industrial Category 6A S/FTP patch cords are specially designed for Ethernet connections in areas with harsh environmental conditions such as humidity, water, dust or extreme temperatures.

Construction

Conductor	Material / size	Bare Copper / 26 AWG
Insulation	Material	Foam-Skin PE
Inner-Shield	Aluminum-Mylar	An aluminum foil screen around each pair
Braid	Material	Tinned Copper
Inner sheath	Material	PVC or LSOH
Outer sheath	Material	TPE, black
	Diameter	7.5 ± 0.2 mm

IP67 + IP20

Category 6A S/FTP Industrial Patch Cord

Length	IP 20/ IP20	IP67 / IP20	IP67 / IP67
0.5 m	1894200523	1894200521	1894200522
1 m	1894201023	1894201021	1894201022
2 m	1894202023	1894202021	1894202022
3 m	1894203023	1894203021	1894203022
5 m	1894205023	1894205021	1894205022
7 m	1894207023	1894207021	1894207022
10 m	1894210023	1894210021	1894210022

Other lengths cables on request

IP67 + IP67

IP20 + IP20

Industrial Fiber

Industrial Fiber Optic Patch Cords

- Meets TIA/EIA 568-B.3 standard
- IP Rating: IP67
- Fiber use G657A1 or G651
- Including industrial connector dust cap
- Meet IEC60874, IEC 61754, IEC 60529:2001-02 and IEC60793-2
- IP67 Water immersion and dust protection for hash environment
- Simple assembly requiring no special tools
- RoHS compliant

cable outer jacket(LSZH), 5,5 mm

inner sheath(LSZH)

Kevlar

9/125 G.652D Fiber

0,9 mm tight buffer
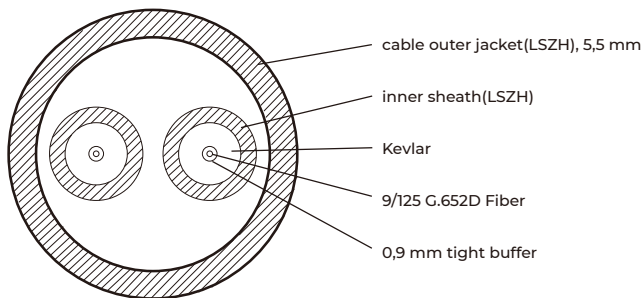
IP67-LC connector (A) + Common connector (B) IP67-LC

LM

116
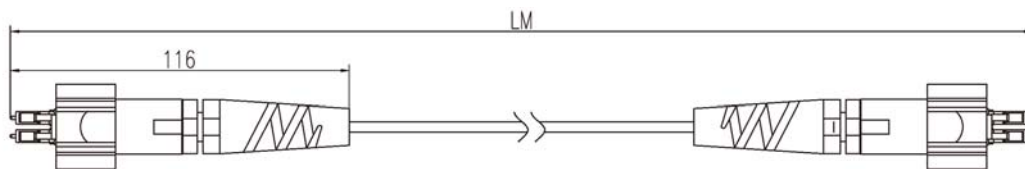
IP67-LC connector (A) + IP67-LC connector (B)

LM

116

200±20

Heat shrink tubing,Black
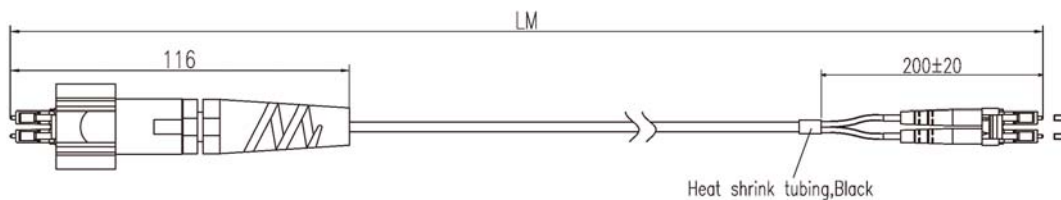
PART NO.	DESCRIPTION	PACKING SIZE
21x8vkyyyz	Fiber Optic Industrial Patch Cord, LC Duplex, LSOH, Black	42*42*25cm

x, mode   1: MM 62.5/125 2: SM 9/125 3: MM 50/125 4: MM/OM3
v, connector Type(A) 4:   LC/APC   9: LC/UPC
k, connector Type(B) 4:   LC/APC   9: LC/UPC
yyy, Length   005: 0.5m, 010: 1.0m, 020: 2.0m, 030: 3.0m, 050: 5.0m, 070: 7.0m, 100: 10.0m
z, connector type   1: IP67(A)+common(B)
                           2: IP67(A)+IP67(B)
                           3: common(A)+
common(B)

Industrial Solution

Separate Industrial Connector
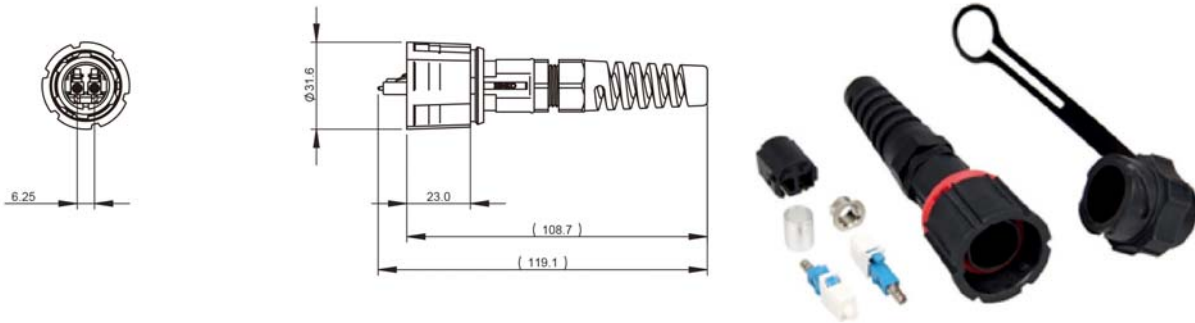
PART NO.	DESCRIPTION	PACKING SIZE
21x80y104	Separate industrial connector, LC duplex, with dust cap, black	53.8*35.2*27cm
21x80y204	Separate industrial connector, LC duplex, without dust cap, black	53.8*35.2*27cm
210000305	Separate industrial connector dust cap, black	53.8*35.2*27cm

x= 2: SM   3: MM
y= 4: LC/APC   9: LC/UPC

DIN Rail Adapter

- Suitable for Premium-Line 180° keystone jack (except P/N 106524010, 105524010)
- Suitable for LC/Duplex or SC/Simplex adapter with adapter support module P/N127120000
- DIN rail mounting
- Easy port description by removable labels in plastic holders
- Assembly without special tools
- Color: RAL9003
- Material: ABS
- RoHS compliant
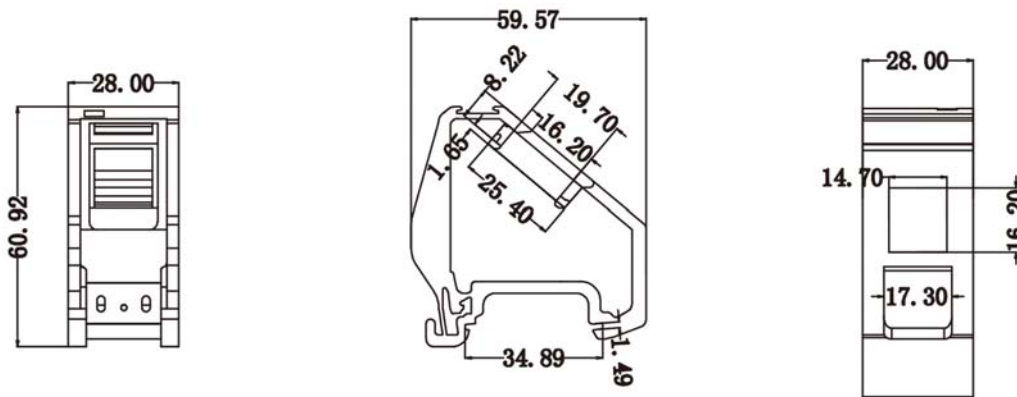
PART NO.	DESCRIPTION	PACKING SIZE
190000081	DIN Rail Adapter	34.5x29.5x39cm

premium ®
line

- *Aisle Containment*
- *Enhanced Network Server Cabinet*
- *Network Server Cabinet*
- *Wall Mount Cabinet*
   Wall Mount Cabinet (Dual Section)
   Wall Mount Cabinet (Single Section)
- *Blank Panel & Accessories*
   19" Toolless Mounting Metal Blank Panel
   19" Blank Panel
   19" Cable Management, Dust Proof Brush Type
   Wheel Feet for Network Server Cabinet
   Adjustable Fixed Feet for Cabinet
   Cage Nut for Cabinet
- *Fan Unit & Shelf*
   Cooling Fan
   19" Fixed Shelf for Cabinet
   19" Sliding Shelf for Cabinet
- *Cable Management*
- *Power Distribution Unit*
   European Type
   American Type
   UK Type
   Surge Protection

Data Center Server Cabinet

As a core part of the entire cabling system, cabinets are widely used and also take an irreplaceable role in the equipment room. Nowadays cabinets not only have the simple function of storing devices but also should provide protection, electromagnetic interference shielding, and arrange equipment orderly to facilitate future maintenance.

Premium-Line provides a complete cabinet solution including the server cabinets, wall mount cabinets, cable management units & mounting accessories, also with active power supply devices, like power distribution unit, uninterruptible power supply and etc.

Network Server Cabinet

Premium-Line 19" server cabinets and wall mount cabinets meet the international standards ANSI /EIARS-310-C19, ANSI /EIARS-310-D, IEC 297-3, IEC 529 and DIN 40050.

Premium-Line server cabinets are available in standard 19" , 600 × 800, 800 × 800 sizes, but not limit in this two options of size. We mainly supply the 27U, 32U, 37U, 42U types. The front door is available in high strength toughened glass or perforated metal. The complete cabinet is made by excellent steels available to afford maximum 800kg static loading.

Normally, the fixed accessories include cage nuts, castors and leveling feet. And there also exists various optional accessories for your most economical combinations, including fixed shelf, keyboard tray, front blank panel and cable managements, besides all free standing cabinets are available for 4 fans installation and also with required power cords.

Wall Mount Cabinet

Premium-Line wall mount cabinets are mostly popular in single section or dual section design to afford maximum 60kg static loading. It's available in size 19" 600 × 450, 6U, 9U, 12U, 15U and 18U. The wall mount cabinets are in key lockable design and come with front glass door. All wall mount cabinets are available for 2 cooling fans installation. Normally the wall mount cabinets are pre-assembled for shipping.

Power Distribution Unit

Premium-Line provides worldwide various type power outlets and power cords. Normally it's in standard 1U height suit for standard 19" cabinet installation. Premium-Line standard PDU comes with lighted master switch, but the additional functions like surge protection and current display are available as well. The size will change to 1.5U.

The left end single input and frontal installation design is easy for future management and allocation.

Aisle Containment

Features:
• The Aisle Containment System is a modular row-based thermal containment solution, which separates cold and hot datacenter air streams to and from equipment. It manages airflow at the source, increases the cooling efficiency and significantly lowers down operating costs.
• Row level thermal containment improves cooling efficiency and predictability to address zones and complete data center deployments.
• Most parts of the aisle containment components are modular, which allows quick deployment on site and addresses changing needs or future expansion with pay-as-you grow architecture.
• The aisle containment is adaptable for enhanced network server cabinet (61586xyy2 or 61588xyy2)
• Provides the right combination of safety and security, dual mechanical doors or sliding doors are available options.
• Designed and built to provide high level security solutions for computer rooms, server rooms, and co-location data centers.

Dual Mechanical Doors

Dual Sliding Doors

Dual doors detailed list		
S/N	**Description**	**Qty**
1	Left Door	2 pcs
2	Right Door	2 pcs
3	Left door column	2 pcs
4	Right door column	2 pcs
5 , 6	Side decoration panel (Height: 200mm)	4 pcs
7	Top panel for door (Height: 200mm)	2 pcs
Fixed top roof detailed list		
S/N	**Description**	**Qty**
8	Supporting panel for roof (Height: 200mm)	2pcs for a top roof
9	Top roof (Material:4mm toughened glass)	1 pcs
10	External decoration panel	1pcs for a cabinet
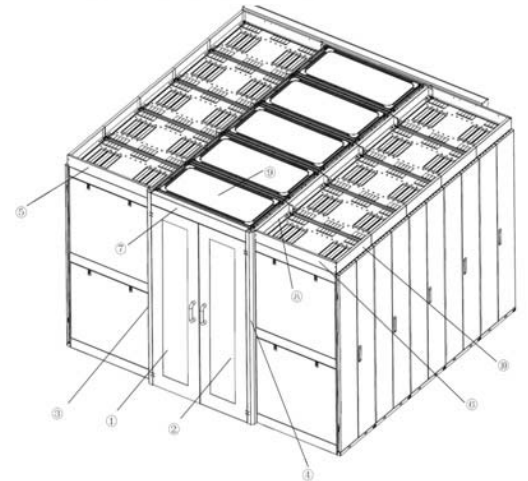
END AISLE DOORS

PART NO.	DESCRIPTION
619291002	Dual mechanical doors, with TCP/IP door access locking system Material: 5mm toughened glass
619191002	Dual sliding doors, full-automatic mode, with TCP/IP door access locking system Material: 8mm toughened glass

TOP ROOF

PART NO.	DESCRIPTION
619360002	600(W) rotary top roof, external decoration panel and fixed plate Material:4mm toughened glass
619380002	800(W) rotary top roof, external decoration panel and fixed plate Material:4mm toughened glass

Data Center
Server Cabinet

Enhanced Network Server Cabinet

Features:
• connected by four corners to ensure the stability
• curved perforated front door and rear dual perforated door enable reliable operation with ventilation rate up to 78%
• double-section side panel can be easily assembled separately
• up to 1500 kgs static loading capacity with adjustable feet
• "U" mark mounting rail for clear and easy identification
• 4pcs of M12 adjustable feets and 4pcs of heavy duty castors included
• 40sets M6 cage nuts included
• optional Fan unit (6 fans and 2m single input power cord for 800mm depth and above)

Standards
• Compliant with ANSI/EIA RS-310-D, IEC297-2, DIN41491. Part1, Part7, DIN 4144 standards

Material
• Frame: SPCC cold rolled steel
• Others: SPCC cold rolled steel
• Thickness: Frame and mounting vertical rail: 2.0mm
• Horizontal bracket: 2.0mm, Side door: 1.2mm
• Others: 1.5mm

Top Cover
Cable Management Rail
Split Rear Door
Door Frame
Side Panel
Horizontal Beam
Vertical Rail
Levelling Feet
2" Heavy Duty Caster
Front Vented Door with Single Lock
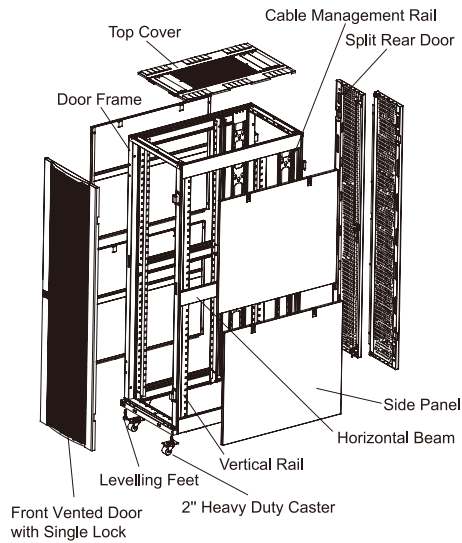
615883482

Enhanced Network Server Cabinet

Type	Dimensions(mm)			PART NO.
	Width	Depth	Height	
42U	800/600	870	1992	615888422/615868422
42U	800/600	1070	1992	615881422/615861422
42U	800/600	1200	1992	615883422/615863422
48U	800/600	870	2259	615888482/615868482
48U	800/600	1070	2259	615881482/615861482
48U	800/600	1200	2259	615883482/615863482

RAL7035 color upon request

Network Server Cabinet

Standards
• Comply with ANSI/EIA RS-310-D, IEC297-2, DIN41491.Part1, part7, DIN 4144

Material
• Frame: SPCC cold rolled steel
• Others: SPCC cold rolled steel
• Thickness: Frame and vertical mounting rail: 2.0mm
• Horizontal bracket: 1.5mm, side door: 1.2mm
• Others: 1.2mm

Glass Front Door   Perforated Door   Metallic Rear Door   Dual Perforated Door

612268422

Network Server Cabinet

Type	Dimensions (mm)			Part No.
	Width	Depth	Height	
32U	600	600/800/1000	1610	612x6y32z
37U	600	600/800/1000	1833	612x6y37z
42U	600	600/800/1000	2055	612x6y42z
47U	600	600/800/1000	2277	612x6y47z

y = 6 for depth 600mm, 8 for depth 800mm, 1 for depth 1000mm

Type	Dimensions (mm)			Part No.
	Width	Depth	Height	
32U	800	800/1000/1200	1610	612x6y32z
37U	800	800/1000/1200	1833	612x6y37z
42U	800	800/1000/1200	2055	612x6y42z
47U	800	800/1000/1200	2277	612x6y47z

y = 8 for depth 800mm, 1 for depth 1000mm, 3 for depth 1200mm,

for doors material substitute "x" in PN:

1 = perforated front door + metallic rear door

2 = glass front door + metallic rear door

6 = glass front door + perforated rear door

7 = perforated front door + perforated rear door

9 = dual perforated front door + dual perforated rear door

0 = perforated front door + dual perforated rear door

for color substitute "z" in PN:
2 = black 5 = grey (RAL7035)

Data Center
Server Cabinet

Wall Mount Cabinet
Dual Section _____

Premium-Line double section is really suitable for server rooms, audio rooms, wiring closets, manufacturing areas, warehouses, or anywhere where heavy networking equipment needs to be protected and maintained usually. Pick up and slot in back holes ensure convenient and quick wall mounting.

Features:
• Cable entry from top and bottom
• Top cover ready for cooling fan installation
• 60 kgs static loading capacity
• Toughened glass front door with over 180° angle
• Lockable side door easy to open for installation
• Fixed 100mm back section space

614264092

Top cover

Rear swing frame

Vertical rail

Front door

Frame

Bottom panel

Horizontal bracket

Side panel

L-shaped bracket
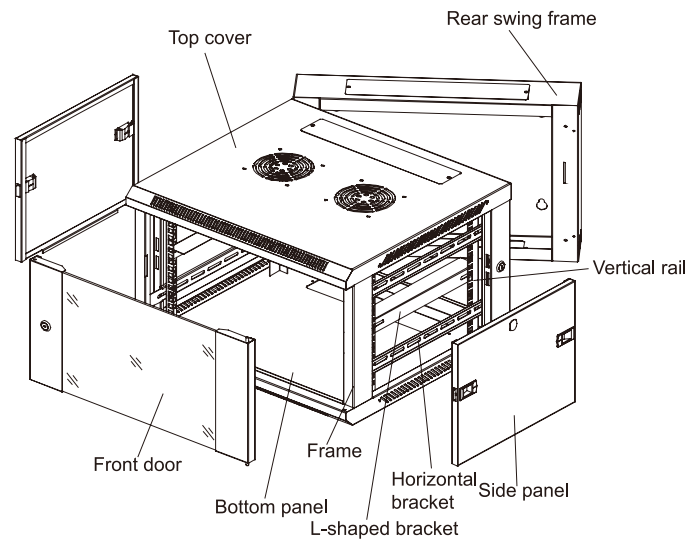
Wall Mount Cabinet (Dual Section)

Type	Dimensions (mm)			Part No.
	Width	Depth	Height	
6U	600	450/500+100	370	61426x06z
9U	600	450/500+100	500	61426x09z
12U	600	450/500+100	635	61426x12z
15U	600	450/500+100	770	61426x15z
18U	600	450/500+100	900	61426x18z
22U	600	450/500+100	1080	61426x22z

For depth substitute "x" in PN: 4 = 450mm ; 5 = 500mm

For color substitute "z" in PN: 2 = black (RAL9005) ; 5 = grey (RAL7035)

Wall Mount Cabinet

Single Section

Designed to house rack mount equipment for cabling, telecommunications, IT, industrial and home installations, Premium-Line Wall Mount Cabinet is supplied flat-packed, which eases access to the installation site while reducing logistics costs and providing greater protection during transit.

Features:
• Cable entry from top and bottom
• Top cover ready for cooling fan installation
• 60 kgs static loading capacity
• Toughened glass front door with over 180° angle

611264062
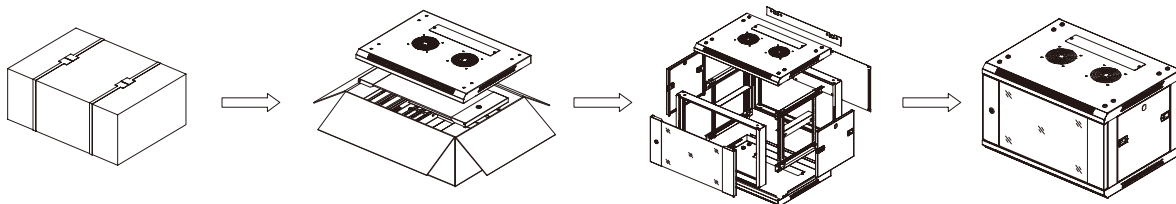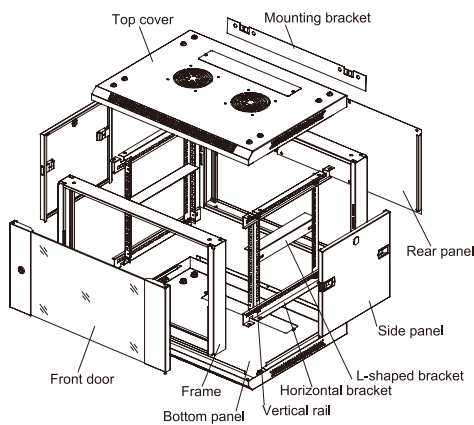
Wall Mount Cabinet (Single Section)

Type	Dimensions (mm)			Part No.
	Width	Depth	Height	
6U	600	450/600	370	61126x06z
9U	600	450/600	500	61126x09z
12U	600	450/600	635	61126x12z
15U	600	450/600	770	61126x15z
18U	600	450/600	905	61126x18z
22U	600	450/600	1040	61126x22z

For depth substitute "x" in PN: 4 = 450mm ; 6 = 600mm

For color substitute "z" in PN: 2 = black (RAL9005) ; 5 = grey (RAL7035)

Data Center
Server Cabinet

Blank Panel & Accessories

195140102

195040102

195080102

Blank Panel

PART NO.	DESCRIPTION
195140102	1U 19" Toolless Mounting Metal blank panel, black
195140202	2U 19" Toolless Mounting Metal blank panel, black
195140402	4U 19" Toolless Mounting Metal blank panel, black
195040102	1U 19" Blank panel, black
195040202	2U 19" Blank panel, black
195040402	4U 19" Blank panel, black
195080102	1U 19" Cable management, dust proof brush type, black

196000050

622000000

623000000

Accessory

PART NO.	DESCRIPTION
622000000	Wheel Feet for Network Server Cabinet
623000000	Adjustable Fixed Feet for Cabinet
196000050	Cage Nut for Cabinet, 50 sets/bag

Fan Unit & Shelf
Digital Temperature Unit

This unit is mainly used for temperature control and highest temperature limit alarm in the cabinets, which has the characteristics of high reliability, simply to use and easily to operate. Meanwhile, it also can show the values of current Voltage, Ampere, Temperature, and humidity. Including a 2m power line. Its operating environment is -5°C ~ 60°C, the relative humidity is 20%~85% (Non-condensation).

Without fans

With 2 fans

With 4 fans

Digital Temperature Unit

PART NO.	DESCRIPTION		
6270x0y02	1U 19" digital temperature unit for cabinet, black		
"x", plug	1: European type(Germany)	2: UK type	3: US type
"y", fan number	0: without fans	2: with 2 fans	4: with 4 fans

624400002

623400002

620018402

Fan Unit & Shelf

PART NO.	DESCRIPTION
620018402	Fan Unit for 800mm depth, 4 fans, German type, Black
624200002	19" Fixed Shelf for 800mm depth server cabinet with mounting ear, RAL9005
624300002	19" Fixed Shelf for 1000mm depth server cabinet with mounting ear, RAL9005
624400002	19" Fixed Shelf for 1200mm depth server cabinet with mounting ear, RAL9005
623200002	19" Sliding Shelf for 800mm depth server cabinet with mounting ear, RAL9005
623300002	19" Sliding Shelf for 1000mm depth server cabinet with mounting ear, RAL9005
623400002	19" Sliding Shelf for 1200mm depth server cabinet with mounting ear, RAL9005

*Grey color on request for fixed shelf

Data Center
Server Cabinet

Cable Management _____

195010102

195110102

Cable Management

PART NO.	DESCRIPTION
195010102	1U 19" Cable Management, Duct Type, Black
195010202	2U 19" Cable Management, Duct Type, Black
195110102	1U 19" Cable Management, Duct Type, Fully Plastic, Black

195070102

195020102

1950M0102

Cable Management

PART NO.	DESCRIPTION
195020142	1U 19" Cable Management, Plastic Holder Type, Black
1950M0102	1U 19" Cable Management, Metal Holder Type, Black
195020102	1U 19" Cable Management, Plastic Holder Type, Black
195070102	1U 19" Cable Management, Ellips Plastic Holder Type, Black
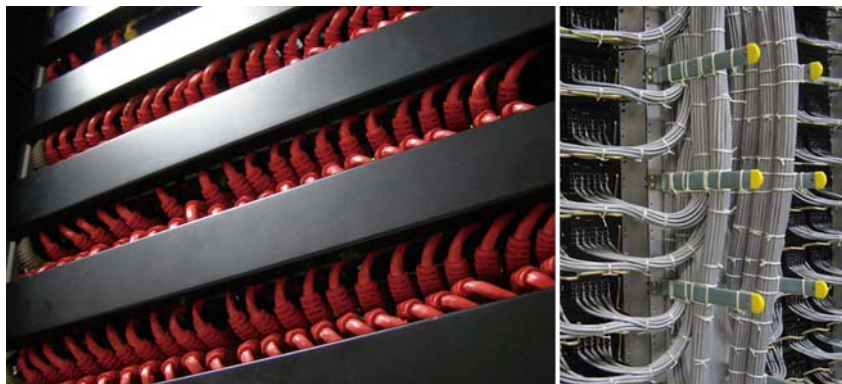
Power Distribution Unit
European Type

Features:
• Conform to DIN49440 and DIN49441
• single input at left side
• Maximum 16A 250V AC current capacity, 3.5KW
• Lighted master switch
• 1U, frontal installation for standard 19" cabinets
• 2m power cord, other length upon request
• Color: aluminum or plastic frame in black
• RoHS Compliant

631210812

Power Distribution Unit
American Type

Features:
• IEC60906 two-pole socket-outlets with grounding contact
• single input at left side
• Maximum 10A 110V AC current capacity, 2.5KW
• Lighted master switch
• 1U, frontal installation for standard 19" cabinets
• 2m power cord, other length upon request
• Color: aluminum or plastic frame in black
• RoHS Compliant

633230812

Data Center
Server Cabinet

Power Distribution Unit
UK Type

Features:
• BS1363 standard UK socket and plug
• Maximum 13A 230V AC current capacity, 3KW
• Lighted master switch
• Standard 1U 6 output and 1.5U 6 output with surge protect
• 2m power cord, other length upon request
• Color: aluminum or plastic frame in black
• RoHS Compliant

632220612

Power Distribution Unit
6 Surge Protector Type

Features:
• Available in European, UK & UL types
• Standard 1.5U mounting size,aluminum frame
• Dimension:482.6 × 66.67 × 62mm
• Optional lighted master switch
• 2m power cord, other length upon request
• Other type PDU upon request
• RoHS Compliant

631810712

Power Distribution Unit

PART NO.	DESCRIPTION
631210812	Power Distribution Unit with Aluminium Body, European Type, 8 Outlets
631210822	Power Distribution Unit with Non-metallic Body, European Type, 8 Outlets
632220612	Power Distribution Unit with Aluminium Body, UK Type, 6 Outlets
632220622	Power Distribution Unit with Non-metallic Body, UK Type, 6 Outlets
633230812	Power Distribution Unit with Aluminium Body, UL Type, 8 Outlets
633230822	Power Distribution Unit with Non-metallic Body, UL Type, 8 Outlets
631710612	Power Distribution Unit with Aluminium Body, European Type ,6 Outlets with Surge Protector, with LED Switch
631810712	Power Distribution Unit with Aluminium Body, European Type ,7 Outlets with Surge Protector, without LED Switch
632720612	Power Distribution Unit with Aluminum Body, UK Type, 6 Outlets with Surge Protector, with LED Switch
632820612	Power Distribution Unit with Aluminum Body, UK Type, 6 Outlets with Surge Protector, without LED Switch
633730712	Power Distribution Unit with Aluminum Body, UL Type, 7 Outlets with Surge Protector, with LED Switch
633830712	Power Distribution Unit with Aluminum Body, UL Type, 7 Outlets with Surge Protector, without LED Switch

www.premiumline-cabling.com

Headquarters

Premium-Line Systems GmbH
Rosenheimer Straße 89
83064 Raubling, Germany

Phone: +49 8035 9836 0
Fax: +49 8035 9836 22

sales@premiumline-cabling.com

www.premiumline-cabling.com

Europe

Premium-Line KSI GmbH
Richard-Strauss-Straße 39
A-1230 Wien

Tel: +43 (1) 61096 0
Fax: +43 (1) 61096 43

ksi@ksi.at

Middle East

Representative Office
Dubai Silicon Oasis, Office G-014,
Techno Hub I Building, Dubai,
UAE

Phone: +971 (4) 3263311
Fax: +971 (4) 3263314

sales@premiumline-cabling.com

Asia

Premium-Line Asia Ltd.
12-9 Lane 130 Chung Shan East Rd.
Section 2, Hsinwu Taoyuan City,
Taiwan

Tel: +886 (3) 4771746
Fax: +886 (3) 4779210

sales@premiumline-cabling.com