

Category 7 S/FTP Cable



Descriptions

- 4 pair twisted cable
- Cable diameter : 0.303 in. (7.7mm)
- High performance Category 6A cable to transmit full broadband and baseband video signals
- Electrical performances according to IEC 61156-5
- Packaged on Wooden Reel
- DNV approved
- Applicable for LS Simple™ 25-Year Product Warranty program

Applications

- Data Center System
- Horizontal Distribution & Backbone Cabling
- 4/16Mbps Token Ring(IEEE 802.5)
- 10/100/1000/10G BASE-T (IEEE 802.3)
- 155 Mbps ATM
- 100 Mbps TP-PMD
- ISDN, ADSL
- ATM LAN 1.2G
- PoE++ (IEEE 802.3bt Type 3(60W) or Type 4(100W))

Technical Details

Item	Unit	PVC / LSZH
DC Resistance	Ohms/100 m	Max. 9.5
DC Resistance Unbalance	%	≤ 2
Capacitance Unbalance (Pair to Grd.)	pF/km (800~1000Hz)	≤ 1600
Insulation Resistance	MΩ · m	≥ 5000
Characteristic Impedance	Ohms	100 ± 5% (at 100MHz)
Propagation Delay	ns/100 m	535 at 600MHz
Delay Skew	ns	≤ 25
Nominal Velocity of Propagation	%	67
Installation Temperature	°C / °F	0~60/32~140
Operating Temperature	°C / °F	-20 ~ 60 / -4 ~ 140
Storage Temperature	°C / °F	-20 ~ 80 / -4 ~ 176
Bending Radius	-	5 x Cable Diameter
Packaging Type	1000ft (305m)	Reel
Packaging Weight	lb/kft (kg/km)	38 (56)
Conductor Diameter / Material	-	23 AWG, Solid Copper
Insulation Diameter / Material	Inch(mm)	0.053(1.35), Foamed PE
Outer Diameter / Material	Inch(mm)	0.303(7.7), PVC or LSZH
Safety Standard, Performance Standard	PVC-UL444 / CMX-UL1581, IEC 60332-1 / CM-UL1685, IEC 60332-3 / CMR-UL1666 / LSZH-IEC 61034, IEC 60754	
Approvals Performance	IEC 61156-5 & ISO/IEC 11801 "Performance specifications for 100 ohm Category 7 Cabling"	