

## MEDIUM VOLTAGE POWER CABLES (XLPE)

### การใช้งาน

- ผึงดินโดยตรง
- ร้อยท่อผึงดิน
- เดินใน Cable tray, Cable Ladder

#### CABLE STRUCTURE

**Conductor** : Compacted round annealed copper  
 : Single-core : Size 10 mm<sup>2</sup> up to 400 mm<sup>2</sup>  
 : Multi-core : Size 10 mm<sup>2</sup> up to 400 mm<sup>2</sup>

**Insulation** : Cross-Linked polyethylene (XLPE)

**Core identification** :  
 Single-cores : Natural (Translucent)  
 3-cores : White, Red, Blue

**Shield** : Copper tape

**Sheath** : Black flame retardant polyvinyl chloride (PVC/ST2)

#### TECHNICAL DATA

**Classification** : Maximum conductor temperature 90 °C  
 : Circuit voltage not exceeding 3,300 volts.

**Rated voltage** : 1,800 Volts between Line to Earth  
 : 3,000 Volts between Line to Line

**Testing voltage** : 6,500 Volts

**Reference standard** : IEC 60502-1, IEC 60228, IEC 60332-

**Remark** : Special protection can be produced

Size (mm <sup>2</sup> )	1.8/3(3.6) KV-VC		Size (mm <sup>2</sup> )	3.6/6(7.2) KV-VC		Size (mm <sup>2</sup> )	6/10(12) KV-VC	
	Baht/m.(บาท/เมตร)			Baht/m.(บาท/เมตร)			Baht/m.(บาท/เมตร)	
	1-Core	3-Core		1-Core	3-Core		1-Core	3-Core
10	126.70	336.60	10	159.00	498.00			
16	161.00	443.50	16	198.00	608.00	16	246.00	762.00
25	210.00	592.70	25	245.00	766.00	25	296.00	929.00
35	257.40	740.00	35	299.00	927.00	35	351.00	1,102.00
50	320.80	955.70	50	365.00	1,156.00	50	423.00	1,334.00
70	425.00	1,268.00	70	465.00	1,468.00	70	528.00	1,676.00
95	553.00	1,669.00	95	591.00	1,873.00	95	669.00	2,102.00
120	686.00	2,075.00	120	718.00	2,276.00	120	789.00	2,501.00
150	826.00	2,514.00	150	866.00	2,685.00	150	927.00	2,915.00
185	1,012.00	3,094.00	185	1,057.00	3,218.00	185	1,119.00	3,545.00
240	1,290.00	3,970.00	240	1,359.00	4,118.00	240	1,428.00	4,503.00
300	1,598.00	4,904.00	300	1,672.00	5,060.00	300	1,747.00	5,490.00
400	2,004.00	6,152.00	400	2,097.00	6,466.00	400	2,187.00	6,857.00
500	2,535.00		500	2,653.00				

Size (mm <sup>2</sup> )	8.7/15(317.5) KV-VC		Size (mm <sup>2</sup> )	12/20(24) KV-VC		Size (mm <sup>2</sup> )	18/30(36) KV-VC	
	Baht/m.(บาท/เมตร)			Baht/m.(บาท/เมตร)			Baht/m.(บาท/เมตร)	
	1-Core	3-Core		1-Core	3-Core		1-Core	3-Core
25	338.00	1,079.00						
35	397.00	1,258.00	35	438.00	1,408.00	35	602.00	1,981.00
50	467.00	1,512.00	50	515.00	1,652.00	50	633.00	2,097.00
70	577.00	1,847.00	70	620.00	1,996.00	70	746.00	2,504.00
95	711.00	2,271.00	95	757.00	2,474.00	95	889.00	2,952.00
120	844.00	2,795.00	120	896.00	2,898.00	120	1,026.00	3,410.00
150	977.00	3,166.00	150	1,028.00	3,331.00	150	1,174.00	3,856.00
185	1,164.00	3,715.00	185	1,209.00	3,938.00	185	1,362.00	448.00
240	1,478.00	4,649.00	240	1,515.00	5,051.00	240	1,656.00	5,573.00
300	1,797.00	5,747.00	300	1,843.00	5,957.00	300	1,953.00	6,648.00
400	2,241.00	7,000.00	400	2,287.00	7,224.00	400	2,140.00	7,961.00