



XLPE Insulated 6.35/11KV & 12.7/22KV

» Applications

These cables are used as HV feeder cables in fixed conditions.

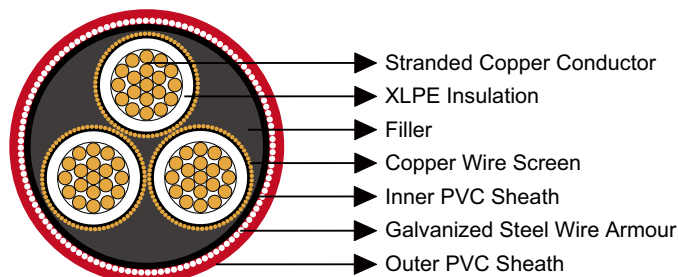
» Standards

AS/NZS 1972:2006

AS/NZS 1125

AS/NZS 3808

» Construction



Conductors: Stranded plain copper conductor.

Insulation: XLPE.

Individual Screen (earth conductor): Copper wire.

Inner Sheath: PVC sheath.

Armour: Galvanized steel wire armour.

Outer Sheath: PVC sheath to AS/NZS 1429.1.

» Dimensions and Weight

Nominal Conductor Area	Nominal Conductor Diameter	Insulation Thickness	Core Screen		Armour Wire Diameter	Nominal Sheath Thickness	Nominal Overall Diameter	Nominal Weight
			Strand Size	Area of Screen				
mm ²	mm	mm	mm	mm ²	mm	mm	mm	kg/100m
6.35/11kV								
16	4.8	3.4	10/0.85	5.7	2.00	2.4	46.6	330



Nominal Conductor Area	Nominal Conductor Diameter	Insulation Thickness	Core Screen		Armour Wire Diameter	Nominal Sheath Thickness	Nominal Overall Diameter	Nominal Weight
			Strand Size	Area of Screen				
mm ²	mm	mm	mm	mm ²	mm	mm	mm	kg/100m
25	5.8	3.4	10/0.85	5.7	2.50	2.5	50.1	415
35	6.8	3.4	11/0.85	6.2	2.50	2.6	52.8	475
50	8.0	3.4	15/0.85	8.5	2.50	2.7	55.7	540
70	9.6	3.4	21/0.85	11.9	2.50	2.8	59.6	645
95	11.5	3.4	29/0.85	16.5	2.50	2.9	63.9	775
120	13.1	3.4	36/0.85	20.4	2.50	3.1	67.9	905
150	14.5	3.4	44/0.85	25.0	2.50	3.2	71.5	1030
185	16.1	3.4	22/1.35	31.5	3.15	3.3	78.6	1280
240	18.5	3.4	29/1.35	41.5	3.15	3.5	84.7	1550
300	20.7	3.4	37/1.35	53.0	3.15	3.7	90.4	1820
400	23.6	3.4	47/1.35	67.3	3.15	4.0	97.9	2230
12.7/22kV								
35	6.8	5.5	14/0.85	7.9	2.5	2.9	63.2	600
50	8.0	5.5	15/0.85	8.5	2.5	3.0	66.0	665
70	9.6	5.5	21/0.85	11.9	2.5	3.1	69.9	775
95	11.5	5.5	29/0.85	16.5	2.5	3.3	74.4	920
120	13.1	5.5	36/0.85	20.4	3.15	3.4	79.5	1140
150	14.5	5.5	44/0.85	25.0	3.15	3.5	83.1	1280
185	16.1	5.5	22/1.35	31.5	3.15	3.7	89.1	1450
240	18.5	5.5	29/1.35	41.5	3.15	3.9	95.0	1720
300	20.7	5.5	37/1.35	53.0	3.15	4.1	101.1	2010
400	23.6	5.5	47/1.35	67.3	3.15	4.3	108.2	2420