

Flexible XLPE Cable

Flexible XLPE 90 Degree Cable

0.6/1kV electric cables use for main power and control systems applications

Construction:

Flexible class 5 copper conductors, XLPE insulation, flame and heat retardant, UV, oil, chemical and weather-resistant orange 5V-90 PVC sheath, metre marked. Other colours available on request subject to minimum order quantity and lead time.

Minimum Bending Radius:

Fixed: 6 x cable diameter
Flexing: 12 x cable diameter

Nominal Voltage:

0.6/1kV AC
0.9/1.5kV DC

Temperature Range:

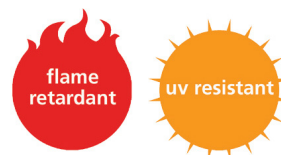
Fixed: -40°C to +90°C
Flexing: -25°C to +90°C

Features:

- UV-resistant
- 90° flexible

Relevant Standard:

AS/NZS1125, AS/NZS3808, AS/NZS5000.1, flame retardant to IEC60332-1



Flexible class 5 copper conductors



Insulation: XLPE comply to AS/NZS3808

Sheath: 5V-90 PVC comply to AS/NZS3808

Part No.	Cores x CSA	Diameter of Conductor	Thickness of Insulation	Diameter of Insulation	Thickness of Outer Sheath	Overall Diameter	Approx Weight	20°C Max. D.C Conductor Resistance	Current Rating
	mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	AMPS
XLPE1X6	6.0	3.5	0.7	4.9	1.4	7.7	99	3.3	46
XLPE1X10	10	4.4	0.7	5.8	1.4	8.6	145	1.91	64
XLPE1X16	16	5.5	0.7	6.9	1.4	9.7	204	1.21	85
XLPE1X25	25	6.9	0.9	8.7	1.4	11.5	297	0.78	114
XLPE1X35	35	8.2	0.9	10.0	1.4	12.8	392	0.554	141
XLPE1X50	50	9.8	1.0	11.8	1.4	14.6	539	0.386	178
XLPE1X70	70	11.7	1.1	13.9	1.4	16.7	733	0.272	225
XLPE1X95	95	13.3	1.1	15.5	1.5	18.5	946	0.206	271
XLPE1X120	120	14.9	1.2	17.3	1.5	20.3	1192	0.161	322
XLPE1X150	150	16.9	1.4	19.7	1.6	22.9	1476	0.129	372
XLPE1X185	185	18.3	1.6	21.5	1.6	24.7	1794	0.106	427
XLPE1X240	240	20.9	1.7	24.3	1.7	27.7	2323	0.0801	514
XLPE1X300	300	23.9	1.8	27.5	1.8	31.1	2876	0.0641	591
XLPE1X400	400	27.5	2.0	31.5	1.9	35.3	3754	0.0486	709
XLPE1X500	500	31.0	2.2	35.4	2.0	39.4	4717	0.0384	821
XLPE1X630	630	35.0	2.4	39.8	2.2	44.2	6225	0.0287	956

*AS/NZS 3008.1.1:2017 Table 8 (Fixed-Unenclosed, Touching, Flexible Copper Conductor) 90°C operating temperature, 40°C air temperature, 25°C soil temperature.