



## **INCORR ENGINEERING & TRADING**

\* Cathodic Protection Materials Manufacturer/Stockist

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## **XLPE CABLE**

This has a layer of XLPE insulation over the cable conductors and an outer sheath of PVC. This is preferable for most land based CP applications and general marine use. The outer PVC layer provides greater mechanical and abrasion resistance and the double insulation ensures added security in the event of damage.

### **CONSTRUCTION**

Conductor	:	Plain annealed copper to IEC 228.
Insulation	:	XLPE compound.
Sheath	:	PVC compound.
Colour	:	Insulation – natural. Sheath – black.

### **TECHNICAL DATA**

Voltage	:	U <sub>o</sub> /U – 600/1000V.
Conductor stranding	:	Class 2 stranded circular or compacted conductors.
Operating temperature	:	Maximum 90°C.
Minimum bending radius	:	8D for 16mm <sup>2</sup> to 1000mm <sup>2</sup> .

### **APPLICATION**

These cables are used for fixed installation where there is little risk of mechanical damage. These are general purpose wires for power and lighting in residential, commercial and industrial areas. These cables are not suitable for direct burial.



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## PHYSICAL DATA

Nominal area of conductors (mm <sup>2</sup> )	No. of strands/diameter of strand (no./mm)	Thickness of XLPE insulation (mm)	Thickness of PVC sheath (mm)	Approx. overall diameter (mm)	Approx. overall weight (kg/km)
6	7/1.04	0.7	1.4	7.2	105
10	7 / 1.35	0.7	1.4	8.4	150
16	7 / 1.7	0.7	1.4	9.4	205
25	7 / 2.14	0.9	1.4	11.1	309
35	7 / 2.52	0.9	1.4	12.4	412
50	19 / 1.78	1.0	1.4	14.0	540
70	19 / 2.14	1.1	1.4	16.0	760
95	19 / 2.52	1.1	1.5	18.0	1020
120	37 / 2.03	1.2	1.5	20.0	1270
150	37 / 2.25	1.4	1.6	22.0	1560
185	37 / 2.52	1.6	1.6	24.7	1930
240	61 / 2.25	1.7	1.7	27.7	2510
300	61 / 2.52	1.8	1.8	30.6	3120
400	61 / 2.85	2.0	1.9	34.2	3970
500	61 / 3.20	2.2	2.0	38.0	4980
630	127 / 2.52	2.4	2.2	42.9	6400
800	127 / 2.85	2.6	2.3	47.3	8190
1000	127 / 3.20	2.8	2.4	52.6	10265

XLPE Cable is part of the Incorr range of cables and electrical items. For full details of these items, please contact Incorr.