

XLPE/PVC/SWA/PVC Cable

Application

Single core armoured cable with stranded plain annealed copper conductor, XLPE insulated, PVC sheathed and bedded cable conforming to IEC-502/1 and BS 5467.

This general purpose cable is composed of copper wire, which is covered by cross linked polyethylene (XLPE), PVC bedding, galvanised steel wire armouring and PVC jacket. XLPE/PVC/SWA/PVC cable is suitable for surface wiring as well as underground installation in soft sand. It can be used as a header cable on Cathodic protection systems, negative-return connections, bonds and test lead connections where extra protection is required



Construction

Conductors	Stranded soft bare annealed copper class B-8
Insulation	High molecular weight polyethylene conforming to ASTM D-1248 Type 1, Grades E1-E5, J1 to J3
Thickness	The minimum thickness of the insulation at any point shall not be less than 90% of the specified average thickness
Colour	Black. Other colours available on request
Temperature Rating	Overall 75°C, 600V
Min. Bending Radius	10xOD of cable
Testing	The cable shall be tested in accordance with ASTM B-3, B-8, D-1248. Spark testing at 7500VAC

Availability

Size	Strands	Insulation/ Bedding Thickness	Steel wire diameter	Jacket Thickness	Nominal Overall Diameter	DC at 20°C	Approx. shipping Weight	Maximum Current Rating
(mm ²)	(No)	mm	mm	mm	mm	Ohm/km	kg/km	Amp*
6	7	0.7/0.8	0.90	1.5	10.95	3.08	285	30
10	7	0.7/0.8	0.90	1.5	11.85	1.83	355	42
16	7	0.7/0.8	0.90	1.5	12.90	1.15	435	56
25	7	0.9/0.8	0.90	1.5	14.65	0.727	585	73
35	7	0.9/0.8	0.90	1.5	15.80	0.524	685	90
50	19	1.0/0.8	0.90	1.5	17.30	0.387	835	145
70	19	1.1/0.8	1.25	1.5	20.00	0.268	1080	185
95	19	1.1/0.8	1.25	1.6	22.10	0.193	1375	230
120	37	1.2/0.8	1.25	1.6	23.95	0.153	1685	260
150	37	1.4/0.8	1.25	2.1	26.40	0.124	2120	355
185	37	1.6/0.8	1.25	2.1	28.90	0.099	2505	405

* Typical current ratings are given as a guide only. Check manufacturer's rating for the particular site operating conditions including all relevant de-rating factors.

Note. Thickness/weights are nominal.

Disclaimer

The information provided in this document was accurate at the time it was published, however, we reserve the right to revise this document without prior warning.