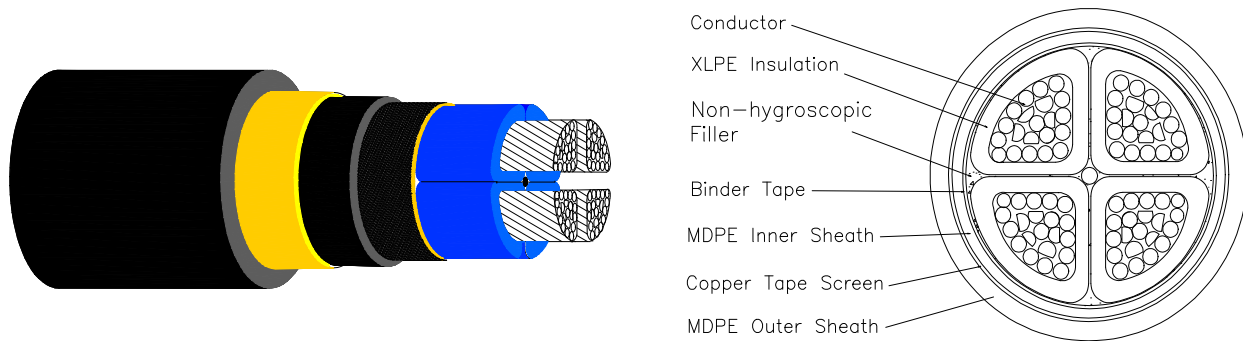


0.6 / 1 (1.2) kV XLPE INSULATED, PE INNER SHEATH, SCREENED AND PE SHEATHED UNDERGROUND CABLES



DESCRIPTION

Circular compacted and shaped stranded aluminium conductor, XLPE insulated, four cores assembled together with non-hygroscopic filler, extruded with PE inner sheath, copper tape screened and followed by an extruded PE outer sheath. Cables are rated at 0.6 / 1 (1.2) kV and conform to IEC 60502

CONSTRUCTION

- 1 Conductor**
Plain compacted or shaped stranded aluminium conductor, conform to IEC 60228 class 2
- 2 Insulation**
XLPE (cross-linked polyethylene) rated at 90 °C
- 3 Colours for core identification**
Four core -- red, yellow, blue and black
- 4 Assembly**
Four insulated conductors are laid up together, if necessary filled with non-hygroscopic material compatible with the insulation and inner sheath materials.
- 5 Inner Sheath**
Medium density polyethylene (MDPE)
- 6 Metallic Screen**
Copper tape screen (SCT)
- 7 Sheath**
Medium density polyethylene (MDPE)

APPLICATIONS

These cables are designated for general use including underground burial, where they are not likely to suffer mechanical damage.

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Nominal cross-sectional area	Conductor Shape	Nominal thickness of insulation	Nominal thickness of PE inner sheath	Metallic Screening	Nominal thickness of PE outer sheath	Approx. overall diameter	Approximate weight of cable
				Approximate thickness of copper tape			Aluminium
mm ²		mm	mm	mm	mm	mm	Kg / Km
16	c.c.	0.7	1.0	0.2	1.8	21.4	538
25	c.c.	0.9	1.0	0.2	1.8	25.4	758
35	c.c.	0.9	1.0	0.2	1.8	28.1	943
50	s.m.	1.0	1.0	0.2	1.9	30.2	1139
70	s.m.	1.1	1.2	0.2	2.0	34.9	1532
95	s.m.	1.1	1.2	0.2	2.2	39.2	1960
120	s.m.	1.2	1.4	0.2	2.3	43.5	2417
150	s.m.	1.4	1.4	0.2	2.5	48.0	2987
185	s.m.	1.6	1.4	0.2	2.6	53.0	3575
240	s.m.	1.7	1.6	0.2	2.8	59.5	4534
300	s.m.	1.8	1.6	0.2	3.0	65.4	5516
400	s.m.	2.0	1.8	0.2	3.3	73.4	6945

Note : c.c. - compacted circular stranded aluminium conductor

s.m. - shaped stranded aluminium conductor, circular conductors can be produced on request