BS6622/BS7835 Single Core Armoured 11kV XLPE Stranded Copper Conductor

CABLE CHARACTERISTICS

Bending radius r=15D

CABLE DESCRIPTION

1.CONDUCTOR
Compact circular stranded copper conductor complying with BS6360 Class 2.

CONDUCTOR SCREEN
Extruded semi-conducting compound bonded to the insulation and applied in the same operation as the insulation.

2.INSULATION
Extruded cross-linked polyethylene (XLPE) suitable for operation at a conductor temperature of 90°C.

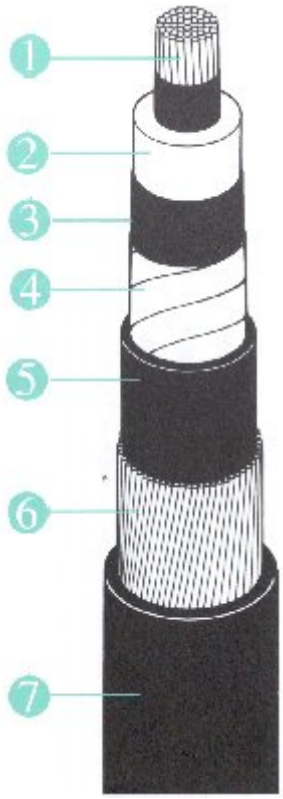
3.INSULATION SCREEN
Extruded semi-conducting compound applied in the same operation as the insulation. Cold strippable screens are supplied as standard but fully bonded screens may be provided if specified.

4.METALLIC SCREEN
Copper tapes applied overlapped to provide an earth fault current path.

5.BEDDING
Extruded black polyvinyl chloride (PVC) or Low Smoke Zero Halogen (LSOH) compound is supplied as standard. Alternative materials may be provided if specified.

6.ARMOURING
Single layer of circular aluminium wires.

7.OVERSHEATH
Extruded black polyvinyl chloride (PVC) or Low Smoke Zero Halogen (LSOH) compound is supplied as standard. Alternative materials may be provided if specified
e.g. medium density polyethylene (MDPE).



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Constructional Data

Cross-sectional area mm²	Minimum average thickness of insulation mm	Nominal diameter over insulation mm	Nominal thickness of PVC/LSOH bedding mm	Nominal number and diameter of armoured wires no/mm	Nominal thickness of PVC/LSOH oversheath mm	Nominal overall diameter of cable mm
70	3.4	18.8	1.2	42/1.6	1.9	29.7
95	3.4	20.5	1.2	45/1.6	1.9	31.4
120	3.4	22.0	1.2	47/1.6	2.0	33.1
150	3.4	23.3	1.2	40/2.0	2.1	35.4
185	3.4	25.1	1.2	43/2.0	2.1	37.2
240	3.4	27.3	1.2	46/2.0	2.2	39.8
300	3.4	29.6	1.2	49/2.0	2.3	42.3
400	3.4	32.3	1.2	53/2.0	2.4	45.2
500	3.4	35.2	1.3	46/2.5	2.5	49.5
630	3.4	38.6	1.4	50/2.5	2.6	53.3
800	Please refer to	our technical	department	for further	information	-
1000	Please refer to	our technical	department	for further	information	-

Installation Data

Cross-sectional area mm²	Appoximate cable weight kg/m	Nominal drum length m	Minimum bending radius mm	Nominal internal diameter of ducts mm
70	1.6	1000	450	100
95	1.9	1000	500	100
120	2.2	500	500	100
150	2.6	500	550	100
185	3.0	500	600	100
240	3.6	500	600	100
300	4.3	500	650	100
400	5.2	300	700	100
500	6.5	300	750	100
630	7.9	300	800	100
800	Please refer	to our technical	department for	further information
1000	Please refer	to our technical	department for	further information