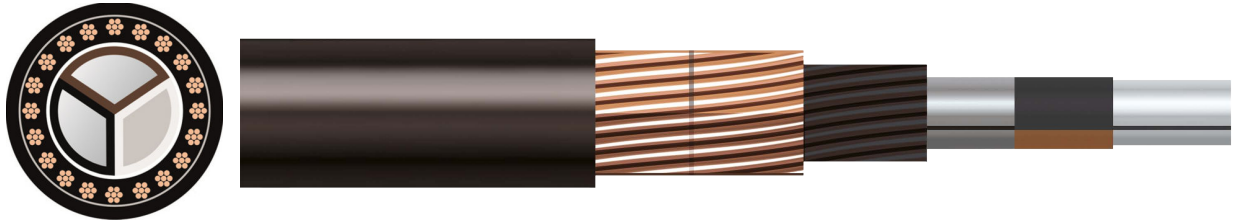


ALUMINIUM WAVEFORM CABLE BS7870



The Aluminum Waveform cable is employed as a power supply conduit, commonly deployed in power station distribution, panel boards, and street lighting zones where mechanical fortification is necessary. It comprises 3 or 4 aluminum conductors arranged in a sector shape, accompanied by a copper conductor laid in a waveform configuration

CONDUCTOR	Aluminium
STRANDING	Class 1
INSULATION	XLPE
OUTERSHEATH	PVC
OUTERSHEATH COLOUR	Black
RATED VOLTAGE	0.6/1kV
CORE IDENTIFICATION	Brown,Black,Grey
MINIMUM BENDING RADIUS	95mm ² : 8 x overall diameter 185mm ² : 9 x overall diameter 300mm ² : 10 x overall diameter
STANDARDS	BS7870-3.40

SPECIFICATION DATA

BATT Part No	Cores	Nominal cross sectional area of conductor	Minimum average thickness of insulation	Minimum average thickness of outer sheath	Approx overall diameter	Weight
56398	3	95	1.1	2.1	36	1980
56399	3	185	1.6	2.5	46	3520
56400	3	300	1.8	2.8	56	4810

Concentric Neutral/Earth Conductor

Nominal cross sectional area	Approx no of wires	Nominal Diameter of wires	Approx length of lay
95	22	1.85	250
185	41	1.85	300
300	41	1.85	440

Electrical Characteristics

Nominal cross sectional area	Nominal internal diameter ducts	Current Rating Direct in Ground	Current Rating In Ducts	Current Rating In Air
95	70	244	227	232
185	90	353	328	364
300	110	461	429	508

*Buried direct in ground 0.45mtr deep, +15°C ambient, soil thermal resistivity of 1.2°C m/w.

The information in this datasheet is for guidance only and subject to change without liability. Images provided are representations; actual cable dimensions may vary due to manufacturing tolerances.

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