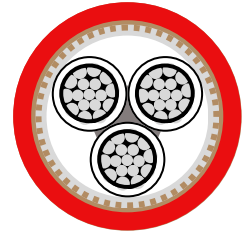




SPEN Three Core Unarmoured Aluminium Conductors - 6.35/11 (12)kV

Medium Voltage Cable DNO Power Cable



DESCRIPTION

Conductor: Class 1 Solid Aluminium Conductor, **Conductor Screen:** Fully bonded Semi-conductive material, **Insulation:** XLPE (Cross-Linked Polyethylene), **Insulation Screen:** Semi-conductive material, **Screen:** Copper wires and Equalising Copper Tape, **Separator:** Binding Tape, **Outer Sheath:** MDPE (Medium Density Polyethylene) in Red.

APPLICATION

Medium voltage aluminium power cable approved to Scottish Power Energy Networks (SPEN) specifications, manufactured by G81-authorized suppliers for linking the existing grid to new sub-main developments.

TECHNICAL DATA

Voltage Rating Uo/U:	6.35/11 (12)kV
Temp. Rating:	0°C to +90°C
Standards/Approvals:	BS 7870-4.10, SP-PS-076 SP Energy Networks

TDS 1 OF 2



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No. of Cores	Nom. CSA	Nom. Area of Metallic Screen	Nom. OD of Cable	Nom. Cable Weight	Min. Bend. Radius	Max. Pulling Tension
	mm ²	mm ²	mm	Kg/Km	mm	N
3	95	70	55	3250	1050	8550
3	185	95	65	4880	1250	16650
3	300	95	75	6580	1440	27000

ALL FIGURES QUOTED ARE APPROXIMATE

Nom. CSA	Max. DC Res. of Cond. at 20°C	Max. AC Res. of Cond. at 20°C	Reactance at 50Hz	Capacitance	1s S.C. Rating of Cond.	1s S.C. Rating of Metallic Screen	Current Carrying Capacity A		
mm ²	mH/Km	Ω/Km	μF/Km	μF/Km	kA	kA	Buried	In Ducts	In Air
95	0.320	0.411	0.112	0.31	8.9	9.3	228	197	245
185	0.164	0.211	0.103	0.40	17.5	12.8	330	289	369
300	0.100	0.130	0.0949	0.49	28.3	12.8	431	381	494

ALL FIGURES QUOTED ARE APPROXIMATE

TDS 2 OF 2

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

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