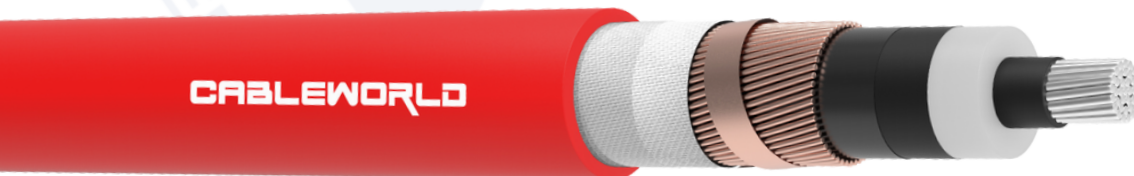
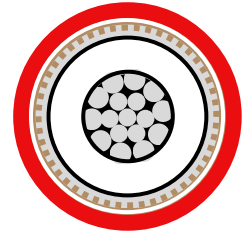




SSE Single Core Unarmoured Aluminium Conductors - 6.35/11 (12)kV

Medium Voltage Cable DNO Power Cable



DESCRIPTION

Conductor: Stranded or 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 compliant with Scottish & Southern Electricity (SSE) specifications, manufactured by G81-approved suppliers for connections between the existing grid and 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, ES 02-0940 SSE

TDS 1 OF 2



SSE Single Core Unarmoured Aluminium Conductors - 6.35/11 (12)kV

Medium Voltage Cable DNO Power Cable

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
1	150	35	31	1160	600	4500
1	500	35	44	2390	880	15000
1	630	35	48	2900	940	18900
1	800	35	51	3340	1040	2400

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
150	0.206	0.265	0.106	0.39	13.8	4.8	353	315	380
500	0.0605	0.0804	0.09	0.66	46	4.8	679	570	810
630	0.0469	0.0639	0.087	0.74	57.9	4.8	756	640	930
800	0.0367	0.0523	0.085	0.86	73.6	4.8	857	710	1070

ALL FIGURES QUOTED ARE APPROXIMATE

TDS 2 OF 2

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

Head Office (Bolton): • Tel: +44 (0) 1942 840 200 • E-Mail: sales@cable-world.co.uk

London Branch: • Tel: +44 (0) 203 960 9389 • E-Mail: sales.london@cable-world.co.uk



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