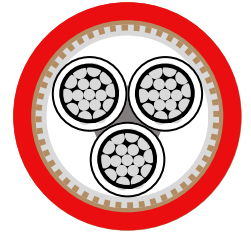




SSE Three Core Unarmoured Aluminium Conductors - 6.35/11 (12)kV

Medium Voltage Cable DNO Power Cable



DESCRIPTION

Conductor: Class 2 Stranded 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 & Southern Electricity (SSE) standards, manufactured by G81-approved suppliers for connecting 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 SSE

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	150	60	61	3280	1160	13500
3	240	60	70	4380	1340	21600
3	300	60	75	4990	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
150	0.206	0.265	0.091	0.33	14.2	9.3	295	255	335
240	0.125	0.161	0.085	0.41	22.7	9.3	390	340	450
300	0.100	0.130	0.084	0.44	28.3	9.3	435	380	510

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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