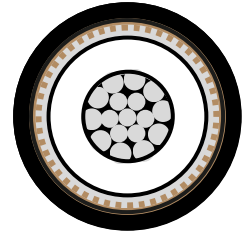




SPEN Single Core Unarmoured Aluminium Conductors - 19/33 (36)kV

Medium Voltage Cable DNO Power Cable



DESCRIPTION

Conductor: Class 2 Stranded Aluminium, **Conductor Screen:** Fully bonded Semi-conductive material, **Insulation:** XLPE (Cross-Linked Polyethylene), **Insulation Screen:** Semi-conductive material, **Screen:** Copper wires and Equalising Tape, **Separator:** Binding Tape, **Outer Sheath:** MDPE (Medium Density Polyethylene) in Black.

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 U₀/U:	19/33 (36)kV
Temp. Rating:	0°C to +90°C
Standards/Approvals:	BS 7870-4.10, ES 02-0940 SP Energy Networks

TDS 1 OF 2



SPEN Single Core Unarmoured Aluminium Conductors - 19/33 (36)kV

Medium Voltage Cable DNA 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	50	43	1900	825	4500
1	240	50	46	2290	880	7200
1	400	50	52	2900	1000	12000

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	0.129	0.20	14.2	8.2	318	320	400
240	0.125	0.161	0.118	0.24	22.7	8.2	426	415	530
400	0.0778	0.101	0.108	0.29	37.8	8.2	606	520	700

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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