

**1-Core, Copper Conductor, XLPE
Insulation, SNE Service Cable,
600/1000Volt to BS7870-3.21**

Constructional Data

Nominal cross-sectional area mm ²	Centre phase conductor		Concentric neutral		Earth conductor		Approximate thickness of XLPE insulation mm	Approximate thickness of PVC insulation mm	Approximate diameter overall mm
	Number of wires mm	Diameter of wires mm	Number of wires mm	Nominal diameter of wires mm	Number of wires mm	Nominal diameter of wires mm			
16	7	1.7	7	1.7	4	2.25	1.05	1.4	15.2
25	7	2.14	11	1.7	4	2.25	1.8	1.5	18.4

Installation Data

Nominal cross-sectional area mm	Approximate cable weight kg/m	Minimum bending radius mm	Nominal internal diameter of ducts mm
16	0.6	125	100
25	0.84	150	100

Electrical Data

Nominal cross-sectional area mm ²	Maximum DC resistance of phase conductor @ 20°C ohms/km	Maximum DC resistance of neutral/earth conductor @ 20°C ohms/km	Maximum AC resistance of conductor @ 70°C ohms/km	Approximate impedance @ 50Hz ohms/km
16	1.15	1.2 / 1.2	1.376	1.38
25	0.727	0.76 / 1.2	0.869	0.87

Current ratings

Nominal cross-sectional area mm ²	Direct in ground Amps	In ducts Amps	In air Amps
16	121	90	91
25	157	116	123

Current rating conditions

Ground temperature 15°C
 Ambient temperature (Air) 25°C
 Depth of burial (to centre of cable) 500mm
 Thermal resistance of soil 1.2°C m/W



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Formerly Pirelli Cables