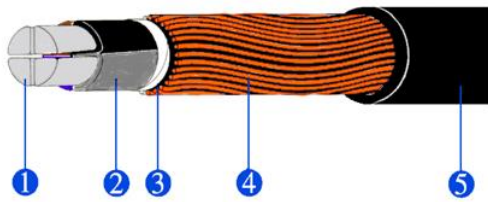


BS7870-3.40 600/1000V

4-Core PVC Waveform

Cable Design

Product code 20143865 / 20143868 / 20144752 / 20143873



DESIGN & CONSTRUCTION

- 1: 4 Core Shaped Solid Aluminium Conductor
- 2: XLPE Insulation (Brown/Black/Grey/Blue)
- 3: Rubber Bedding
- 4: Waveform Copper Wire Screen
- 5: Black PVC Sheath

Cable / Product description

Waveform cable is used by Distribution Network Operators and Independent Distribution Network Operators to power housing estates throughout the United Kingdom. A 4-core cable is required for a SNE system where the fourth core is used as a neutral and the Cu wires form a Separate Earth.

1kV Waveform is a standard specification taken across all Utility networks in the United Kingdom.

Main Characteristics

Parameter		95mm ² 20143865	185mm ² 20143868	240mm ² 20144752	300mm ² 20143873
Overall Diameter	mm	37.5	50	57	62.5
Minimum Bend Radius	mm	600	800	900	1000
Maximum Pulling Tension*	kg	285	555	720	900
Cable Weight	kg/m	2.6	4.5	5.7	6.7

* based on the conductor.

4-Core PVC Waveform

Technical Data

Current Ratings		95mm ² 20143865	185mm ² 20143868	240mm ² 20144752	300mm ² 20143873
Laid in Air	Amps	255	385	455	525
Laid Direct in Ground	Amps	245	355	415	465
Drawn in a Duct	Amps	205	300	350	395

Current Rating conditions: Air Temp 25°C, Ground Temp 15°C, Depth of Burial 0.5m, Thermal Resistance of Soil 1.2°C m/W

Logistics

Typical Drum Sizes are Provided Below

Length	Parameter	95mm ² 20143865	185mm ² 20143868	240mm ² 20144752	300mm ² 20143873
100m	Outer Diameter (mm)	1500	1700	1700	1700
	Total Width (mm)	850	975	975	975
	Total Weight (kg)	406	660	783	881
250m	Outer Diameter (mm)	1500	1700	2000	2000
	Total Width (mm)	850	975	1000	1000
	Total Weight (kg)	783	1319	1717	1962
500m	Outer Diameter (mm)	1700	2200	2300	2300
	Total Width (mm)	975	1000	1100	1100
	Total Weight (kg)	1475	2630	3277	3767

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