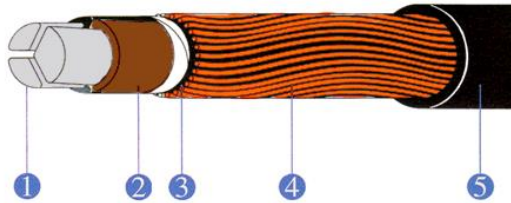


3-Core PVC Waveform

Cable Design

Product code 20143857 / 20143859 / 20143862



DESIGN & CONSTRUCTION

- 1: 3 Core Shaped Solid Aluminium Conductor
- 2: XLPE Insulation (Brown/Black/Grey)
- 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 3-core cable is required for a CNE system, the Cu wires forming a Combined Neutral & Earth.

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

Main Characteristics

Parameter		95mm ² 20143857	185mm ² 20143859	300mm ² 20143862
Overall Diameter	mm	33.5	45.5	53.5
Minimum Bend Radius	mm	550	700	850
Maximum Pulling Tension*	kg	285	555	900
Cable Weight	kg/m	2.0	3.7	5.0

* based on the conductor.

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Technical Data

Current Ratings		95mm ² 20143857	185mm ² 20143859	300mm ² 20143862
Laid in Air	Amps	255	385	525
Laid Direct in Ground	Amps	245	355	465
Drawn in a Duct	Amps	205	300	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 20143857	185mm ² 20143859	300mm ² 20143862
100m	Outer Diameter (mm)	1500	1700	1700
	Total Width (mm)	850	975	975
	Total Weight (kg)	355	585	710
250m	Outer Diameter (mm)	1500	1700	1700
	Total Width (mm)	850	975	975
	Total Weight (kg)	651	1135	1447
500m	Outer Diameter (mm)	1700	2000	2200
	Total Width (mm)	975	1000	1000
	Total Weight (kg)	1215	2135	2885

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