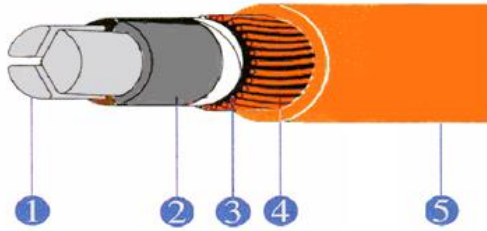


BS7870-3.50 600/1000V

3 Core LSOH Distribution

Cable Design

Product code 20143836 / 20143838 / 20143841



DESIGN & CONSTRUCTION

- 1: 3 Core Shaped Solid Aluminium Conductor
- 2: XLPE Insulation (Brown/Black/Grey)
- 3: Tape Bedding
- 4: Helical Copper Wire Screen
- 5: Orange LSOH Sheath

Cable / Product description

Prysmian Low Smoke Zero Halogen (LSOH) Distribution cables are used in place of PVC Waveform cables by some Distribution Network Operators and Independent Distribution Network Operators where working on indoor network connections and where LSOH regulations apply.

A 3-core cable is required for a CNE system, the Cu wires forming a Combined Neutral & Earth.

Main Characteristics

Parameter		95mm ² 20143836	185mm ² 20143838	300mm ² 20143841
Overall Diameter	mm	33.5	45	54
Minimum Bend Radius	mm	550	700	850
Maximum Pulling Tension*	kg	285	555	900
Cable Weight	kg/m	1.8	3.3	4.6

* based on the conductor.

3 Core LSOH Distribution

Technical Data

Current Ratings		95mm ² 20143836	185mm ² 20143838	300mm ² 20143841
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 20143836	185mm ² 20143838	300mm ² 20143841
100m	Outer Diameter (mm)	1500	1700	1700
	Total Width (mm)	850	975	975
	Total Weight (kg)	335	560	685
250m	Outer Diameter (mm)	1500	1700	1700
	Total Width (mm)	850	975	975
	Total Weight (kg)	605	1065	1380
500m	Outer Diameter (mm)	1700	2000	2200
	Total Width (mm)	975	1000	1000
	Total Weight (kg)	1115	1995	2750

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