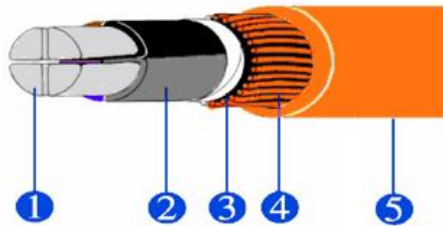


4 Core LSOH Distribution

Cable Design

Product code 20143844 / 20143847 / 20143850



DESIGN & CONSTRUCTION

- 1: 4 Core Shaped Solid Aluminium Conductor
- 2: XLPE Insulation (Brown/Black/Grey/Blue)
- 3: Tape Bedding
- 4: Helical Copper Wire Screen
- 5: Orange PVC 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 or where LSOH regulations apply.

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.

Main Characteristics

Parameter		95mm ² 20143844	185mm ² 20143847	300mm ² 20143850
Overall Diameter	mm	37.3	50.3	61.2
Minimum Bend Radius	mm	600	800	1000
Maximum Pulling Tension*	kg	285	555	900
Cable Weight	kg/m	2.2	4.1	5.8

* based on the conductor.

4 Core LSOH Distribution

Technical Data

Current Ratings		95mm ² 20143844	185mm ² 20143847	300mm ² 20143850
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 20143844	185mm ² 20143847	300mm ² 20143850
100m	Outer Diameter (mm)	1500	1700	1700
	Total Width (mm)	850	975	975
	Total Weight (kg)	380	635	815
250m	Outer Diameter (mm)	1500	1700	2000
	Total Width (mm)	850	975	1000
	Total Weight (kg)	710	1260	1795
500m	Outer Diameter (mm)	1500	1700	2300
	Total Width (mm)	850	975	1100
	Total Weight (kg)	710	1260	3430

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