



Application

Single-core, LSZH (Low Smoke Zero Halogen) insulated cable with aluminium wire armour (AWA), designed for power and auxiliary fixed wiring applications. The LSZH compound reduces the emission of smoke and corrosive gases in the event of fire, making it suitable for installation in environments where fire safety and low toxicity are critical. Suitable for use in power distribution networks, both underground and above ground, as well as for outdoor and indoor installations.

Technical Characteristics

Voltage rating 0.6/1kV
Conductor Operating Temp. 90 °C
Conductor short-circuit temperature 250°C
Min. bending radius 20xOD

Standards

BS EN 60228, BS 6724
Flame Retardant BS EN 60332-3-24
Smoke emission BS EN 61034
Acid gas emission BS EN 60754

Construction

Conductor Circular
 Stranded Compacted Annealed Copper (Cl2)
Insulation
 XLPE Cross-Linked Polyethylene
Bedding
 LSHF
Armour
 AWA (Aluminium Wire Armour)
Sheath
 LSHF
Sheath Colour
 Black
Core identification
 Brown

Regulatory Compliance



The Copper Mark Partnership

- IEWC promotes sustainable practices by our suppliers
- Copper Mark promotes seven of 17 UN Global Sustainability Goals
- Copper Mark recipients cover 20% of global copper production

Conductor size / Number of Cores	Rated Current (laid in Air) *	Rated Current (laid in Duct) *	Rated Current (laid in Ground) *	Nominal Cable Diameter mm	Minimum Bending Radius	Approximate Cable Weight kg/km
1x185	529	401	500	27.7	20xOD	2185
1x240	622	466	573	30.2	20xOD	2735
1x300	711	528	640	32.8	20xOD	3345
1x400	810	593	710	36.9	20xOD	4295
1x500	923	668	787	40.6	20xOD	5425
1x630	1038	745	864	45.1	20xOD	6800

This datasheet is for guidance only. While we believe the information is accurate at the time of publication, it is subject to manufacturing tolerances.