



MPN: 6945LSH-35.0

Product Name: 6945LSH 35.0mm² Black XLPE/SWA/Basec Cable 5-Core 1m

Brand: Commodity Cables

Category: Steel Wire Armoured (SWA)

Product Description: This product is cut to specification. Hence when ordering, a multiple of 1 needs to be entered.

Key Features:

- Cable Size: 35.0mm²
- Number of cores: 5
- CPR Compliant
- BASEC-Approved
- Material: LSHF

Specifications:

- Conductor Operating Temperature up to 90 °C
- Conductor Short Circuit Temperature up to 250 °C
- Flame Retardant acc. to BS EN 60332-3-24
- Smoke emission acc. to BS EN 61034
- Acid gas emission acc. to BS EN 60754
- Conductor Max. DC Resistance at 20°C : 0.524 Ω/km
- Conductor Max. AC Resistance at 90°C: 0.6686 Ω/km
- Reactance at 50 Hz: 0.0799 Ω/km
- Conductor Short Circuit Current for 1 second: 5 kA
- Rated Current (laid in Air) *: 166 A
- Rated Current (laid in Duct) *: 140 A
- Rated Current (laid in Ground) *: 185 A
- Conductor: Circular Stranded Compacted Plain Annealed Copper (Class 2)
- Insulation: XLPE (GP 8)
- Inner Sheath: LSHF
- Nominal Cable Diameter: 32.8mm

ETIM Class-9.0: Power cable < 1 kV, for flexible applications (EC003250)

Applications:

- For outdoor and indoor fixed installations and it's normally used for power distribution in urban networks and industrial plants.
- Suitable for laying underground directly or in ducts or on trays in free air.
- Industrial automation systems for control and instrumentation circuits
- Renewable energy projects such as solar farms and wind power installations
- Marine and offshore applications including shipbuilding and offshore platforms.
- Transportation infrastructure projects like railway networks, subway systems, and airports

Standards:

- BS 6724
- BS EN 60228



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