



MPN: 6947XLH-2.5

Product Name: 6947XLH 2.5mm² Black PVC XLPE/SWA/Basec Cable 7-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. 6947XLH2.5 is an Armoured Cable suitable for industrial wiring and mains distribution. Designed for installation in duct, clipped directly to a surface, on tray, in basket or in free air they may also be laid direct in ground in free draining soil or embedded in concrete.

Key Features:

- Cable Size: 2.5mm²
- Number of cores: 7
- CPR Compliant
- BASEC-Approved
- Material: PVC

Specifications:

- Approximate Outer Diameter: 16.1mm
- Approximate Cable Weight Kg / Km: 499
- Minimum Bending Radius: 129mm
- Maximum Conductor DC Resistance at 20 °C Ω / Km: 7.41
- Conductor AC Resistance at Maximum Operating Temperature at 50Hz Ω / Km: 9.45
- Conductor Short Circuit Current for 1 sec: 0.36 KA
- Conductor: Stranded Plain Copper Conductor according to IEC 60228 Class 2
- Insulation / Temperature: Cross Linked Polyethylene according to IEC 60502-1 (XLPE) / 90°C
- Bedding Before Armouring: PVC Sheathing Flame Retardant / 90°C / Black

ETIM Class-9.0: Power cable < 1 kV, for fixed installations (EC003248)

ETIM Features:

- Conductor material: Copper (EV000138)
- Nominal cross-sectional area of conductor (mm²):2.5
- Number of cores:7
- Core colour: Black (EV000206)
- Sheath colour: Black (EV000206)

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 5467
- BS EN 60228



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