



**MPN:** 6944LSH-25.0

**Product Name:** 6944LSH 25.0mm<sup>2</sup> Black XLPE/SWA/Basec Cable 4-Core 1m

**Brand:** Commodity Cables

**Category:** Steel Wire Armoured (SWA)

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**Product Description:** This product is cut to specification. Hence when ordering, a multiple of 1 needs to be entered. PX Manufacturing 6944LSH 25 SWA XLPE insulated LSOH sheathed armoured cable with copper conductor and 25mm<sup>2</sup> cross section area. Conductor is Class 2 stranded. Black in colour.

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#### Key Features:

- Cable Size: 25.0mm<sup>2</sup>
- Number of cores: 4
- CPR Compliant
- BASEC-Approved
- Material: LSHF

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## Specifications:

- Conductor Operating Temp. up to 90 °C
- Conductor Short Circuit Temp. 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 : 0.727 Ω/km
- Conductor Max. AC Resistance at 90°C: 0.9273 Ω/km
- Reactance at 50 Hz: 0.0823 Ω/km
- Conductor Short Circuit Current for 1 second: 3.6 kA
- Rated Current (laid in Air) \*: 136A
- Rated Current (laid in Duct) \*: 116A
- Rated Current (laid in Ground) \*: 154A
- Conductor: Circular Stranded Compacted Plain Annealed Copper (Class 2)
- Insulation: XLPE (GP 8)
- Inner Sheath: LSHF
- Nominal Cable Diameter: 27.5mm

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

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## 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

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## Standards:

- BS 6724
- BS EN 60228



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