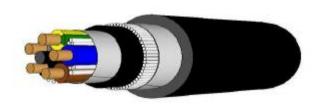


# **REXEL CABLE SOLUTIONS**





**MPN:** 6945LSH-35.0

Product Name: 6945LSH 35.0mm<sup>2</sup> 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: 35.0mm<sup>2</sup>

• 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

