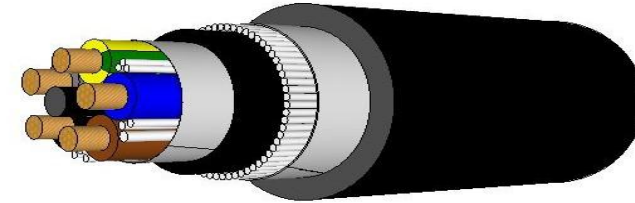


|                        |                         |                    |
|------------------------|-------------------------|--------------------|
| Description            | Size (mm <sup>2</sup> ) | Voltage Grade (kV) |
| <b>Cu/XLPE/SWA/PVC</b> | <b>5X35</b>             | <b>0.6/1 (1.2)</b> |

| Applicable Standards   | Application  |
|------------------------|--|
| BS EN 60228<br>BS 5467 | For outdoor and indoor fixed installations and it's normally used for power distribution in urban networks and industrial plants.<br>Suitable for laying underground directly or in ducts or on trays in free air. |



| Features  | Cable Identification  | Construction   |
|---|---|--|
| Conductor Operating Temp. up to 90 °C<br>Conductor Short Circuit Temp. up to 250 °C | <b>Cores Identification</b><br>Brown , Black , Grey , Green / Yellow , Blue<br><br><b>Outer Sheath Color</b><br>Black<br><br><b>Marking Over the Outer Sheath</b><br>EL SEWEDY CABLES 140/001 BASEC ELECTRIC CABLE 5X35 mm2<br>600/1000 V Cu/XLPE/SWA/PVC BS 5467 CE Manufacturing Year H | <b>Conductor</b> Circular Stranded Compacted Copper (Class 2)<br><b>Insulation</b> XLPE (GP 8)<br><b>Inner Sheath</b> PVC<br><b>Armour</b> Steel Wire Armour<br><b>Outer Sheath</b> PVC (Type 9) |

| Electrical Data                            |        |      |
|--|--------|------|
| Conductor Max. DC Resistance at 20°C       | 0.524  | Ω/km |
| Conductor Max. AC Resistance at 90°C       | 0.6686 | Ω/km |
| Conductor Short Circuit Current for 1 sec. | 5      | kA   |
| Rated Current (laid in Air) *              | 166    | A    |
| Rated Current (laid in Duct) *             | 140    | A    |
| Rated Current (laid in Ground) *           | 185    | A    |

| General Data             |                    |       |
|--------------------------|--------------------|-------|
| Nominal Cable Diameter   | 32.8               | mm    |
| Approximate Cable Weight | 2790               | kg/km |
| Minimum Bending Radius   | 8 × Outer Diameter |       |

\* Air Temperature = 30 °C , Ground Temperature = 20 °C , Soil Thermal Resistivity = 1 °C.m/W , Burial Depth = 0.5 m

| Testing  |
|--|
| All routine tests required by BS 5467 will be performed on the cable and a test certificate will be supplied on request. |