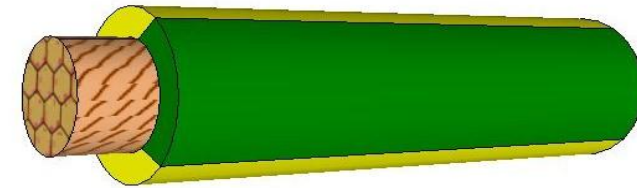


|                              |   |                                     |                                   |
|------------------------------|---|-------------------------------------|-----------------------------------|
| Description<br><b>Cu/PVC</b> | Size (mm <sup>2</sup> )<br><b>1X240</b> | Voltage Grade (V)<br><b>450/750</b> | Code Designation<br><b>H07V-R</b> |
|------------------------------|---|-------------------------------------|-----------------------------------|

| Applicable Standards            | Application  |
|---------------------------------|--|
| BS EN 60228<br>BS EN 50525-2-31 | For indoor fixed installations and it's normally used for power distribution in urban networks.<br>Suitable for laying in conduits as well as in steel support brackets. |



| Features  | Cable Identification | Conductor         | Construction   |
|---|----------------------|-------------------|--|
| Conductor Operating Temp. up to 70 °C<br>Conductor Short Circuit Temp. up to 160 °C |                      | <b>Insulation</b> | Circular Stranded Compacted Copper (Class 2)<br>PVC (TI 1) |

**Insulation Color**

Green / Yellow

**Marking Over the Insulation**

EL SEWEDY CABLES 140/001 BASEC H07V-R 1X240 mm<sup>2</sup> 450/750 V  
BS EN 50525-2-31 CE Manufacturing Year

| Electrical Data                            |        |      |
|--|--------|------|
| Conductor Max. DC Resistance at 20°C       | 0.0754 | Ω/km |
| Conductor Max. AC Resistance at 70°C       | 0.092  | Ω/km |
| Conductor Short Circuit Current for 1 sec. | 27.6   | kA   |
| Rated Current (laid in Air) *              | 542    | A    |
| Rated Current (laid in Pipe) *             | 345    | A    |

| General Data             |                    |       |
|--------------------------|--------------------|-------|
| Nominal Cable Diameter   | 22.5               | mm    |
| Approximate Cable Weight | 2320               | kg/km |
| Minimum Bending Radius   | 8 × Outer Diameter |       |

\* Air Temperature = 30 °C , Trefoil Formation

| Testing   |  |
|---|--|
| All routine tests required by BS EN 50525-2-31 will be performed on the cable and a test certificate will be supplied on request. |  |