

# 2XRH FE I 80 Cable

## XLPE Insulated, SWB, LSZH Sheath

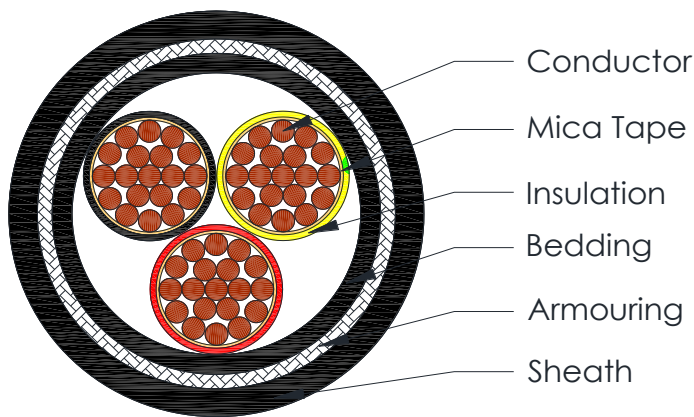


C5992, C5993, C5994

### Applications

Low Voltage 2XH cable.

### Cross Section Drawing



### Design

| Unit                   | Properties   |
|------------------------|--|
| Conductor              | Bare Copper wire   |
| Wrapping Tape          | Mica Tape  |
| Insulation             | XLPE<br>Colour<br>3C: Red and Black and Yellow/Green                   |
| Bedding                | Halogen Free Flame-Retardant (HFFR/LSZH)                               |
| Armouring              | Galvanized Steel Wire Braid  |
| Sheath Material        | UV-Resistant Halogen Free Flame-Retardant (HFFR/LSZH)<br>Colour: Black |
| Standard Put Up Length | 305 metres   |

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

# 2XRH FE180 Cable

## XLPE Insulated, SWB, LSZH Sheath



**C5992, C5993, C5994**

### Physical Characteristics

| Part Number                                     | C5992      | C5993     | C5994     |
|---|------------|-----------|-----------|
| No of Cores x Conductor Size (mm <sup>2</sup> ) | 2 x 2.5    | 3 x 6.0   | 3 x 25    |
| Nom. Diameter Conductor (mm)                    | 19 x 0.40  | 19 x 0.63 | 19 x 1.29 |
| Nom. Radial Thickness Insulation (mm)           | 0.70       | 0.70      | 0.90      |
| Nom. Radial Thickness Bedding (mm)              | 1.20       |           |           |
| Nom. Steel Wire Diameter (mm)                   | 0.30       |           |           |
| Min. SWB Braiding Coverage (%)                  | 80         |           |           |
| Nom. Radial Thickness Sheath (mm)               | 1.24       |           |           |
| Nom. Overall Diameter (mm)                      | 16.0       | 19.0      | 28.0      |
| Operating Temperature (°C)                      | -20 to +75 |           |           |
| Min. Bend Radius (install) (mm)                 | 161        | 188       | 282       |
| Max. Pulling Force (N)                          | 250        | 900       | 3750      |
| Nominal Cable Weight (kg/km)                    | 370        | 570       | 1510      |

### Electrical Characteristics at 20°C

| Part Number                                     | C5992    | C5993   | C5994  |
|---|----------|---------|--------|
| No of Cores x Conductor Size (mm <sup>2</sup> ) | 2 x 2.5  | 3 x 6.0 | 3 x 25 |
| Max. DC Resistance Conductor (Ω/km)             | 7.98     | 3.30    | 0.78   |
| Rated Voltage (U <sub>0</sub> /U)(V)            | 600/1000 |         |        |

### Reference Standards

|                 |                    |
|-----------------|--------------------|
| IEC 60332-3-22  | IEC 61034          |
| IEC 60754-1&-2  | IEC 60502-1        |
| RoHS directives | IEC 60331-21 FE180 |