



## Multicore above 750V Grade Thin Walled Flexible EBXL Jumper Cables for Electric Locomotives

### Application

- ✓ Thin walled flexible EBXL cables for tap changer of electric locomotives, AC/DC EMU, BG, AC EMU & MEMU coaching stock.

### Features

- ✓ Limited fire hazard type
- ✓ Minimum flame spread
- ✓ Low smoke emission
- ✓ Limited toxic fume emission
- ✓ Resistant to mineral oil, diesel, etc.

### Product Construction

- ✓ Conductor : Annealed Tinned Flexible Copper Conductor.
- ✓ Insulation : Electron Beam Cross Linked Polyolefin rated 120°C, Dual layer.
- ✓ Core Identification : By number printing.
- ✓ Outersheath : Electron Beam Cross Linked Polyolefin. Black Colour.

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  | <b>ISO 9001</b>                                                                   | <b>ISO 14001</b>                                                                  | <b>AS 9100</b>                                                                    | <b>ISO 45001</b>                                                                   |
|  |  |  |  |  |

### Technical Data

- ✓ Temperature range :  
operating temp :-40°C to +150°C.
- ✓ Rated voltage : Above 750V
- ✓ Short circuit temperature : 280°C.
- ✓ Test voltage : 8kV for 15 mins
- ✓ Min. bending radius : 4 x Cable OD
- ✓ Insulation resistance constant  
(at room temp) :  $K \geq 12000 \text{ M}\Omega \cdot \text{Km}$
- ✓ Specification : ELRS / SPEC / ELC / 0019 Rev 3.

| Part Number | No. of Cores x Nominal Cross Sectional Area (Nos. x Sq.mm) | No. of Wires x Wire Dia (max) (Nos. x mm)      | Conductor Dia. Nominal (mm) | Minimum Wall Thickness of Core |                  | Thickness of Outer Sheath (mm) | Overall Cable Dia (D) (mm) | Max. Resistance of Conductor at 20 deg. C (ohm/km) | Approx. Cable Weight (Kg/Km) |
|-------------|------------------------------------------------------------|------------------------------------------------|-----------------------------|--------------------------------|------------------|--------------------------------|----------------------------|----------------------------------------------------|------------------------------|
|             |                                                            |                                                |                             | Core Insulation (mm)           | Core Sheath (mm) |                                |                            |                                                    |                              |
| R2591619    | 19C x 2.5                                                  | 50 x 0.26                                      | 2.1                         | 0.30                           | 0.40             | 1.4                            | 23.0 ± 0.5                 | 8.21                                               | 863                          |
| R2591919    | 19C x 4.0                                                  | 7 x 8 / 0.31 Rope Construction (1 x 8 + 6 x 8) | 2.7                         | 0.35                           | 0.45             | 2.0                            | 30.5 ± 0.1                 | 5.09                                               | 1528                         |

