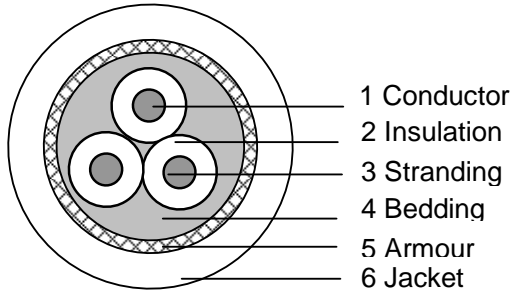


**APPLICATION**

Triple protected highly flexible PVC insulated and sheathed power cable for exceptional mechanical and electrical protection, generally in accordance with VDE0250

**CONSTRUCTION**



|                      |                                      |  |
|----------------------|--------------------------------------|--|
| <b>1. Conductor</b>  | Material<br>Dimensions               | Stranded bare copper<br>50x0.25 mm (2.50 mm <sup>2</sup> ) |
| <b>2. Insulation</b> | Material<br>Diameter                 | PVC<br>3.40 ± 0.05 mm                                      |
| <b>3. Stranding</b>  | Lay up<br>Colours                    | 3 cores stranded<br>Blue, brown, and yellow/green          |
| <b>4. Bedding</b>    | Material<br>Diameter<br>Nominal wall | PVC<br>8.20 ± 0.20 mm<br>0.45 mm                           |
| <b>5. Armour</b>     | Material<br>Diameter<br>Coverage     | Galvanized steel wire<br>9.28<br>64 %                      |
| <b>5. Jacket</b>     | Material<br>Diameter<br>Nominal wall | PVC<br>11.48 ± 0.30 mm<br>1.10 mm                          |

**CONTROLFLEX SY LEADFREE**  
**3\*2.50 mm2 blk.****REQUIREMENTS AND TEST METHODS****Electrical:**

|   |           |
|---|-----------|
| Voltage rating conductor to earth               | 300 V RMS |
| Voltage rating conductor to conductor           | 500 V RMS |
| Maximum resistance conductor @ 20°C             | 7.98 Ω/km |
| Maximum continuous current per conductor @ 25°C | 1 x 25 A  |

**Mechanical and physical:**

|   |               |
|---|---------------|
| Temperature range processing                      | -5 to +70 °C  |
| Temperature range operating (moving installation) | -5 to +70 °C  |
| Temperature range operating (fixed installation)  | -30 to +70 °C |
| Temperature range storage                         | -30 to +70 °C |
| Nominal weight per 100m                           | 21 kg         |
| Maximum pulling tension                           | 525 N         |
| Minimum bending radius                            | 10 x D        |



Belden CDT believes this product to be in compliance with the environmental regulations EU RoHS (Directive 2002/95/EC, 27 January 2003); this is valid for all material produced after the RoHS compliant date for this product.