

# NILTOX®

**Description:** Multicore Signal & Control Cable Unscreened, Low Smoke Halogen Free Throughout.



### Construction

|                     |  |
|---------------------|--|
| Conductor Material  | : Bare Copper, Class 5   |
| Insulation Material | : Low Smoke Halogen Free (LSHF)  |
| Sheath Material     | : Low Smoke Halogen Free (LSHF)  |
| Sheath Colour       | : Grey   |
| Core Identification | : 2core – Brown, Blue                      3core – Brown, Blue, Green/Yellow<br>: 4core – Brown, Black, Grey, Green/Yellow<br>: 5core – Brown, Black, Grey, Blue, Green/Yellow |

### Electrical Characteristics

|                       |               |
|-----------------------|---------------|
| Conductor Resistance  | : BS EN 60228 |
| Insulation Resistance | : 200 MΩ.M    |
| Working Voltage       | : 300/500V    |
| Test Voltage (AC)     | : 2000V       |

### Physical Characteristics

|                    |                          |                       |
|--------------------|--------------------------|-----------------------|
| Bend Radius        | : Flexing 15 x OD        | Static 7.5 x OD       |
| Temperature Rating | : Flexing -15°C to +90°C | Static -20°C to +90°C |

### Standards

|                        |   |
|------------------------|---|
| Flame Retardant        | : BS EN 60332-1-2, 60332-3-24 Cat C       |
| Low Smoke Generation   | : BS EN 61034-2, UL1685                   |
| Halogen Gas Emission   | : BS EN 60754-1&2                         |
| RoHS Compliant         | : Yes                                     |
| CE Compliant           | : LVD (2014/35/EU), CPR (305/2011)        |
| CPR Classification     | : Dca – s2, d2, a1 (EN50575:2014+A1:2016) |
| UV & Weather Resistant | : ISO 4892-3 (Subject to manufacturer)    |

| Part No.      | Cores x mm <sup>2</sup> | Weight kg/km | OD mm | Part No.      | Cores x mm <sup>2</sup> | Weight kg/km | OD mm |
|---------------|-------------------------|--------------|-------|---------------|-------------------------|--------------|-------|
| 31901502C-D34 | 2 x 1.5                 | 73           | 6.8   | 31910003C-D34 | 3 x 10                  | 550          | 15.1  |
| 31901503C-D34 | 3 x 1.5                 | 78           | 7.3   | 31910004E-D34 | 4 x 10                  | 710          | 17.4  |
| 31901504E-D34 | 4 x 1.5                 | 105          | 8.0   | 31910005E-D34 | 5 x 10                  | 875          | 19.3  |
| 31901505E-D34 | 5 x 1.5                 | 133          | 9.0   | 31916003C-D34 | 3 x 16                  | 850          | 17.8  |
| 31902502C-D34 | 2 x 2.5                 | 94           | 7.7   | 31916004E-D34 | 4 x 16                  | 1050         | 21.9  |
| 31902503C-D34 | 3 x 2.5                 | 123          | 8.4   | 31916005E-D34 | 5 x 16                  | 1300         | 24.5  |
| 31902504E-D34 | 4 x 2.5                 | 158          | 9.3   | 31925003C-D34 | 3 x 25                  | 1150         | 22.6  |
| 31902505E-D34 | 5 x 2.5                 | 192          | 10.1  | 31925004E-D34 | 4 x 25                  | 1600         | 26.6  |
| 31904003C-D34 | 3 x 4                   | 185          | 10.4  | 31925005E-D34 | 5 x 25                  | 2100         | 29.5  |
| 31904004E-D34 | 4 x 4                   | 198          | 11.6  | 31935003C-D34 | 3 x 35                  | 1600         | 25.5  |
| 31904005E-D34 | 5 x 4                   | 270          | 13.3  | 31935004E-D34 | 4 x 35                  | 2210         | 33.4  |
| 31906003C-D34 | 3 X 6                   | 260          | 11.9  | 31935005E-D34 | 5 x 35                  | 2700         | 37.0  |
| 31906004E-D34 | 4 X 6                   | 285          | 13.5  | 31950003C-D34 | 3 x 50                  | 2600         | 30.0  |
| 31906005E-D34 | 5 X 6                   | 420          | 14.7  | 31950004E-D34 | 4 x 50                  | 3100         | 37.8  |
|               |                         |              |       | 31950005E-D34 | 5 x 50                  | 4000         | 42.9  |