

TYPE C3 - TPWS - RAILWAY SIGNALLING CABLE TO NR/E/PS/0005

2.5sqmm Screened Flexible Circular Twisted Pair, Flexible TAC Conductors, GP4 Insulated, Coll Screened, Heavy Duty RS2 Sheath, Black, 650/1100VBR Cat No: 6/160086 to NR/PS/SIG/0005

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| Cable Type | C3 |
| Number of Cores | 2 |
| Conductor Size | 2.5mm ² |
| Rated Voltage | 650/1100 Volts rms |
| Core Identification | Black and Numbered |
| Outer sheath colour | Black |
| Class of Conductor in accordance with BS6360 | 5 |
| Nominal diameter of conductor | 2.00mm |
| Maximum diameter of conductor | 2.30mm |
| Thickness of Insulation | As required to meet characteristic impedance |
| Minimum core diameter | 3.90mm |
| Nominal core diameter (specified only due to characteristic impedance) | 4.90mm |
| Thickness of sheath | 3.80mm |
| Minimum cable diameter | 15.00mm |
| Maximum cable diameter | 18.80mm |
| Nominal weight of cable | 339kg/km |
| Maximum dc resistance of conductors at 20°C | 8.21 W/km |
| Minimum insulation resistance at 500 Vdc & 20°C | 650 MW/km |
| Characteristic Impedance at 65 kHz | 70 to 80 W |
| Mutual Capacitance at 65 kHz | 95 ± 10 nF/km |
| Maximum Cores to Screen Capacitance at 65 kHz | 420 nF/km |
| Attenuation at 65 kHz | 0.5dB/100m |
| Toxic Fume Emission | Not Applicable |
| Smoke Emission | Not Applicable |
| Maximum pulling force for drawing cable | 245 N |
| BR Catalogue Number | 6/160086 |
| BATT Part Number | 20003 |

