Signal Cable Type C

BATT Part No:	20003
Application:	Signal cable type C to Network Rail Signalling Cable. Type C3
Conductor:	Tinned annealed flexible copper. Class 5 to BS6360
Insulation:	EPR (Ethylene propylene rubber) with type G4 properties
Core identification:	Black, red & green/yellow or black and numbered
Screen:	CAM (collective aluminium mylar)
Sheath:	HDPCP (Heavy duty polychloroprene) RS2
Sheath colour:	Black
Operating temperature:	Maximum 80°C, Minimum bending -30°C
No of cores:	2
Conductor size:	2.5mm²
Nom diameter of conductor:	2.00mm
Max diameter of conductor:	2.30mm
Thickness of insulation:	As required to meet characteristics impedance
Min core diameter:	3.90 mm
Nom core diameter	4.90 (specified only due to characteristic impedance)
Thickness of sheath:	3.80mm
Min cable diameter:	15.00 mm
Max cable diameter:	18.80 mm
Nominal weight of cable:	339 kg/km
Max dc resistance of conductors at 20°C:	8.21W/km
Min insulation resistance at 500 Vdx and 20°C:	650 MW/km
Characteristic impedance at 65kHz:	70 to 80 W
Mutual capacitance at 65KHz:	95 ± 10 nF/km
Max cores to screen capacitance at 65kHz:	420 nF/km
Attenuation at 65kHz:	0.5dB/100m
Max pulling force for drawing cable:	245 N
Voltage:	650/1100v
Network Rail catalogue number:	6/160086
Standards:	Network Rail Signal Cable to NR/E/PS/0005, BS6360