



CABLE DATA SHEET



Cable Type: PT100

PRODUCT CODE: CAB/PT100/BL/PRO

Brief Description: Digital Satellite Cable 1/1.0CU+64/0.12CCA

Description	Specification
PHYSICAL CHARACTERISTICS	
Number of Cores	1
AWG	18
Stranding	Solid
Conductor Overall Diameter	1mm
Conductor Material	CU
Thickness of Insulation	1.8mm
Insulated Material	Foam PE
Shield Aluminium Foil	Al/PE tape
Shield Braid	16 x 4 x 0.10CCA
Thickness of Jacket	0.7mm
Jacket Material	PVC
Jacket Overall Diameter	6.8mm
Nominal Overall Diameter	6.8mm
Drum Length	100m
Current Rating (A) at 50V AC	0.8
Maximum Operating Temperature (°C)	70
Maximum Conductor Resistance at 20°C (Ω/Km)	22.4
Bulk Cable Weight (lbs/1000ft)	29.7
Maximum Recommended Pulling Tension (lbs)	22
Minimum Bend Radius (Install) Inches	2
Colour	Black
APPLICABLE STANDARDS / APPROVALS	
EU CE Mark (Y/N)	Y
EU RoHS Compliant (Y/N)	Y
ELECTRICAL CHARACTERISTICS	
Nominal Characteristic Impedance (Ohms)	75
Nominal Inductance (uH/ft)	9.55 x 10 ⁻⁵
Nominal Capacitance Conductor to Shield (pF/ft)	16.5pF/m
Nominal Velocity of Propagation (%)	85
Nominal Delay (ns/ft)	1.25
Nominal Conductor DC Resistance @ 20°C	21
Nominal Outer Shield DC Resistance @ 20°C	0.04 Ω/m
Minimum Return Loss (DB)	20(f<1000MHz)
Maximum Operation Voltage (V AC)	1600
Attenuation (dB/100m) – 50MHz	4.7
Attenuation (dB/100m) – 200MHz	9.0
Attenuation (dB/100m) – 550MHz	15.8
Attenuation (dB/100m) – 800MHz	19
Attenuation (dB/100m) – 1000MHz	22.5