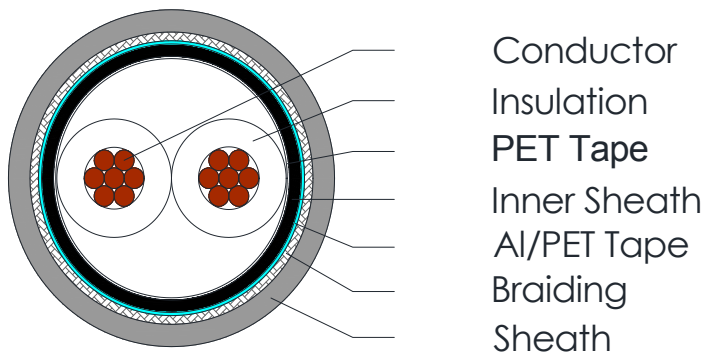


CI134

Applications

Building Management Systems (BMS), Access Control, Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	One Tinned Copper conductor, One bare Copper conductor, flexible
Insulation	Polyethylene Wire 1: Natural Wire 2: Natural
Pairing	Two wires twisted together
Wrapping	Polyester Tape
Inner Sheath	Polyethylene
Screen	Aluminum/Polyester Tape
Braid	Tinned Copper wire
Sheath Material	Polyviyl Chloride (PVC) Standard colour: Grey
Standard Put Up Length	305 meters

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

C1134

Physical Characteristics

Part Number	C1134
Number of pairs	1
Conductor Gauge (AWG)	20
Conductor configuration (AWG)	7 x 28
Nom. Radial Thickness Insulation (mm)	0.61
Wrapping tape coverage (%)	115
Thickness of Inner Sheath (mm)	0.90
Screen tape coverage (%)	115
Coverage braid (%)	85
Nom. Radial Thickness of Outer Sheath (mm)	0.8
Nom. Overall Diameter (mm)	8.4
Operating Temperature (°C)	-30 / +75
Max. Pulling Tension (N)	500
Min. Bend Radius (install) (mm)	84
Nominal Cable Weight (kg/km)	93.8

Electrical Characteristics

Part Number	C1134
No of pairs	1
Nominal Impedance (Ω)	100
Max. DC Resistance Conductor (Ω /km)	35.75
Max. DC Resistance Screen (Ω /km)	5.7
Capacitance core to core (pF/m)	47.6
Capacitance core to rest (pF/m)	75.5
Inductance (μ H/m)	0.51
Nom. Velocity of Propagation (%)	66
Nom. Delay (ns/m)	5.05
Max. Operating Voltage (Vrms)	300
Nom. Attenuation at 1 MHz (dB/100m)	0.99
Nom. Attenuation at 10 MHz (dB/100m)	3.94
Nom. Attenuation at 50 MHz (dB/100m)	9.20
Nom. Attenuation at 100 MHz (dB/100m)	13.46
Nom. Attenuation at 200 MHz (dB/100m)	21.00
Nom. Attenuation at 400 MHz (dB/100m)	33.47

Reference Standards

(BS)EN 50290-2	IEC 60332-1
IEC 60228	RoHS directives