

Fieldbus/Profibus Cable, 1 Pair, 18AWG, Overall Screen & PVC Sheath

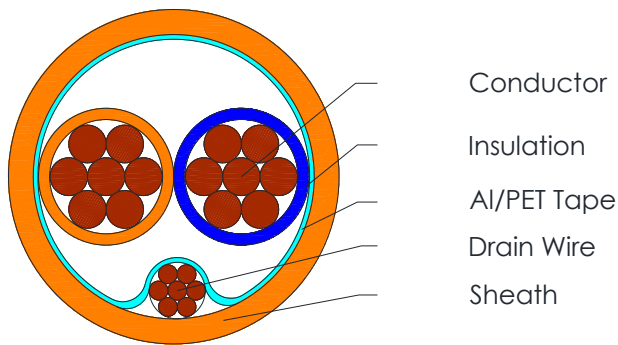


C1515

Applications

ISA/SP-50 FOUNDATION Fieldbus or Profibus cable.

Cross Section Drawing



Conductor
Insulation
Al/PET Tape
Drain Wire
Sheath

Design

Unit	Properties
Conductor	Tinned Copper wire, 18AWG flexible
Insulation	Polyolefin Pair 1: Blue + Orange
Screen	Aluminium/Polyester 100% Coverage
Drain wire	20 AWG (7 x 28) Tinned Copper
Sheath	Flame-Retardant Polyvinyl Chloride (PVC) Standard colour: Orange
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.

Physical Characteristics

Part Number	C1515
No of Pair	1
Conductor Size (AWG)	18AWG (7 x 26)
Nom. Overall Diameter(mm)	7.1
Operating Temperature (°C)	-40 to +105
Max. Recommended Pulling Tension (N)	267
Min. Bend Radius (install)(mm)	71
Nominal Cable Weight (kg/km)	56.6

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Electrical Characteristics at 20°C

Part Number	C1515
No of Pair	1
Unaveraged Impedance at 0.031MHz	100
Nom. DC Resistance Conductor (Ω /km)	19.3
Nom. DC Resistance Screen (Ω /km)	24.6
Nom. Capacitance conductor to conductor (pF/m)	79
Max. Capacitance unbalance (pF/m)	3.9
Nom. Capacitance cond. To other cond.+screen (pF/m)	148
Nominal Inductance (μ H/m)	0.62
Nom. Velocity of Propagation (%)	66
Max. Attenuation at 0.039MHz (dB/100m)	0.30
Max. Recommended Current at 25°C (Amps)	5.2
Max. Operating Voltage (Vrms)	300

Reference Standards

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