

Low Capacitance RS-485 Computer Cables

2PR, 24AWG, Overall Screen, HFFR/LSZH Sheath

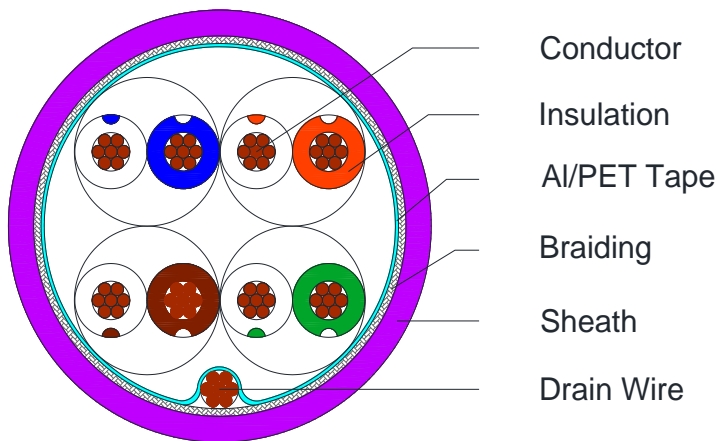


C1319

Applications

Building Management Systems (BMS), EIA RS-485 Applications

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wire, flexible
Insulation	Polyethylene (PE) Pair 1: WHITE/Blue + BLUE/White Pair 2: WHITE/Orange + ORANGE/White
Cabling	2 pairs twisted together
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	Tinned Copper wire
Braiding	Tinned Copper wire
Sheath Material	Halogen-Free, Flame Retardant (HFFR/LSZH) Standard Colour: Purple
Standard Put Up Length	305 or 500 meters

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

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Physical Characteristics

Part Number	C1319
Number of Pairs	2
Conductor configuration (AWG)	24 (7 x 32)
Nom. Radial Thickness Insulation (mm)	0.6
Drain Wire size (AWG)	24 (7 x 32)
Coverage braid (%)	90
Nom. Radial Thickness Sheath (mm)	0.8
Nom. Overall Diameter (mm)	7.8
Operating Temperature (°C)	-25 / +75
Max. Pulling Tension (N)	385
Min. Bend Radius (install) (mm)	78
Nominal Cable Weight (kg/km)	80.5

Electrical Characteristics

Part Number	C1319
Nom. DC Resistance Conductor (Ω /km)	88
Nom. DC Resistance Screen (Ω /km)	15
Nominal Impedance (Ω)	120
Capacitance core to core (pF/m)	40
Capacitance core to rest (pF/m)	85
Nom. Attenuation at 1 MHz (dB/100m)	2.6
Nom. Velocity of Propagation (%)	66
Max. Recom. Current @ 25°C (Amps)	2.1
Max. Operating Voltage (Vrms)	300

Reference Standards

(BS)EN 50290-2
IEC 60228
IEC 60332-3-24, IEC 61034
IEC 60754-1 & 2
UL 1685
RoHS directives