

Low Capacitance RS-485 Computer Cables

2PR, 24AWG, Shielded, TPE, Armoured, PVC Sheath



C5919

Applications

Armoured Computer Cables used for EIA RS-485 applications.

Design

Unit	Properties
Conductor	Tinned Copper wire, flexible
Insulation	XLPE Color code Pair 1: WHITE/Blue + BLUE/White Pair 2: WHITE/Orange + ORANGE/White
Pair	two twisted wires
Cable Core	N pairs stranded
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	Tinned Copper
Braid	Tinned Copper Wire
Bedding	TPE
Armouring	Galvanized Steel Armour
Sheath Material	Halogen Free Fire Retardancy (HFFR) Standard Color: Black
Standard Put Up Length	305 or 500 metres

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

Physical Characteristics

Part Number	C5919
No of pairs	2
Conductor Gauge (AMG)	24
Conductor configuration (AMG)	7 x 32
Nom. Radial Thickness Insulation (mm)	0.55
Drain Wire cross section (mm ²)	0.50
Coverage braid (%)	65
Nom. Overall Diameter (mm)	11.8
Operating Temperature (°C)	-25 / +75

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Electrical Characteristics

Part Number	C5919
No of pairs	2
Max. DC Resistance Conductor (Ω /km)	88
Max. DC Resistance Screen (Ω /km)	15
Nominal Impedance (Ω)	120
Capacitance core to core (pF/m)	42
Capacitance core to rest (pF/m)	80
Nom. Attenuation at 1 MHz (dB/100m)	2.6
Max. Recom. Current @ 25°C (Amps)	2.1
Max. Operating Voltage (Vrms)	300/500

Reference Standards

(IEC 60332-1	(BS)EN 50290-2
IEC 60228	EN 50288-7
RoHS directives	