

Low Capacitance RS-485 Computer Cables

2P 22 AWG, Shielded, Armoured PE Sheath

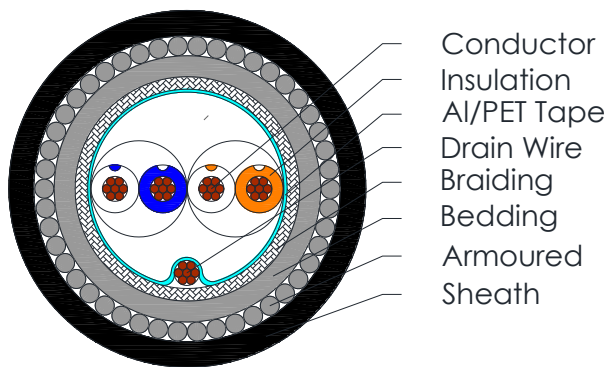


C5954 2P×22AWG

Applications

Armoured Computer Cables used for EIA RS-485 applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wire, flexible
Insulation	Polyethylene Color code Pair 1: WHITE/Blue + BLUE/White Pair 2: WHITE/Orange + ORANGE/White
Pair	two twisted wires
Screen	Aluminium/Polyester 100% Coverage
Drain Wire	Tinned Copper 24AWG (7 x 32)
Braid	Tinned Copper Wire
Bedding	LDPE Color: Grey
Armoured	Galvanized steel wire
Sheath Material	UV Resistant LDPE Standard Color: Grey
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.

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Physical Characteristics

Part Number	C5954
No of pairs	2
Conductor Gauge (AMG)	22
Conductor configuration (AMG)	7 x 30
Insulation material	FPE
Nom. Radial Thickness Insulation (mm)	0.5
Coverage braid (%)	65
Steel Wire diameter (mm)	0.90
Nom. Overall Diameter (mm)	11.6
Operating Temperature (°C)	-20 / +80
Max. Pulling Tension (N)	355
Min. Bend Radius (install) (mm)	185

Electrical Characteristics

Part Number	C5954
No of pairs	2
Max. DC Resistance Conductor (Ω /km)	57.4
Max. DC Resistance Screen (Ω /km)	20
Nominal Impedance (Ω)	120
Capacitance core to core (pF/m)	37
Capacitance core to rest (pF/m)	69
Nom. Attenuation at 1 MHz (dB/100m)	2.05
Max. Recom. Current @ 25°C (Amps)	2.7
Max. Operating Voltage (Vrms)	300

Reference Standards

(IEC 60332-1	(BS)EN 50290-2
IEC 60228	UL 1581
RoHS directives	