

Low Capacitance RS-485 Computer Cables

22AWG, Individual screened, Shielded, PVC Sheath

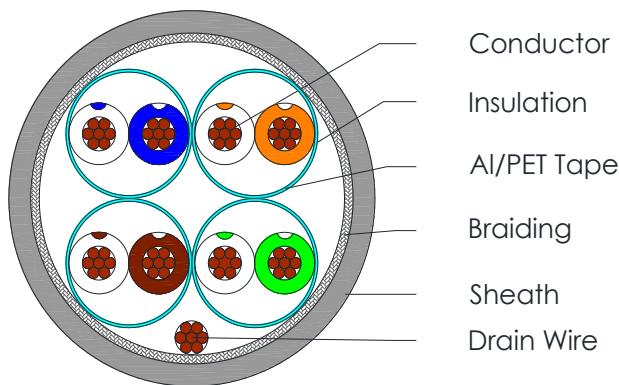


C4200, C4201, C4202, C4203

Applications

Computer Cables used for EIA RS-485 applications.

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper wire, flexible
Insulation	Foam PE Color code Pair 1: WHITE/Blue + BLUE/White Pair 2: WHITE/Orange + ORANGE/White Pair 3: WHITE/Green + GREEN/White Pair 4: WHITE/Brown + BROWN/White Pair 5: WHITE/Grey + Grey/White Pair 6: Red/Blue + Blue/Red Pair 7: Red/Orange + ORANGE/Red Pair 8: Red/Green + GREEN/Red
Pair	two twisted wires
Individual Screen	Aluminium/Polyester 100% Coverage
Cable Core	N screened pairs stranded together
Drain Wire	Tinned Copper 24AWG (7 x 32)
Braid	Tinned Copper Wire
Sheath Material	Polyvinyl Chloride (PVC) 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	C4200	C4201	C4202	C4203
No of pairs	2	3	4	8
Conductor Gauge (AMG)	22			
Conductor configuration (AMG)	7 x 30			
Insulation material	FPE	FPE	FPE	FPE
Nom. Radial Thickness Insulation (mm)	0.60			
Coverage braid (%)	65			
Nom. Radial Thickness Sheath (mm)	0.8	0.8	0.8	1.0
Nom. Overall Diameter (mm)	10.2	10.8	11.8	15.8
Operating Temperature (°C)	-25 / +75			
Max. Pulling Tension (N)	385	460	485	980
Min. Bend Radius (install) (mm)	102	108	118	158
Nominal Cable Weight (kg/km)	82.3	98.6	118.0	200.0

Electrical Characteristics

Part Number	C4200	C4201	C4202	C4203
No of pairs	2	3	4	8
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)	36			
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
IEC 60228
(BS)EN 50290-2
RoHS directives