

Low Capacitance RS-422 Computer Cables 24AWG, Individual Screened, LSZH-HFFR Sheath

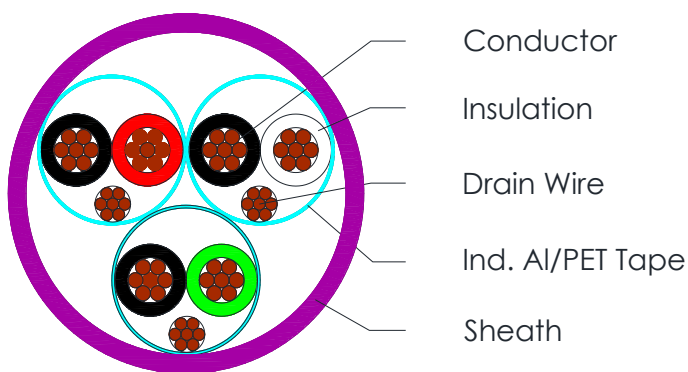


C5198, C5199, C5200, C5204, C5202

Applications

Building Management Systems (BMS), Access Control, Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper Wires, Flexible
Insulation	Foam PE Pair 1: Black/Red Pair 2: Black/White Pair 3: Black/Green Pair 4: Black/Blue Pair 5: Black/Yellow Pair 6: Black/Brown
Drain Wire	Tinned Copper wire
Screen	Each pair individually screened with an Aluminium/Polyester foil 115% Coverage
Sheath Material	Halogen Free Fire Resistance (LSZH-HFFR) Standard colour: Purple
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.

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C5198, C5199, C5200, C5204, C5202

Physical Characteristics

Part Number	C5198	C5199	C5200	C5204	C5202
Number of pairs	1	2	3	4	6
Conductor size (AWG)	24(7 x 32)				
Nom. Diameter Conductor (mm)	0.6				
Nom. Diameter Insulation (mm)	1.55				
Drain wire size (AWG)	24(7 x 32)				
Nom. Radial Thickness Sheath (mm)	0.60	1.20			
Nom. Overall Diameter (mm)	4.4	8.2	8.5	9.3	11.3
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	40	80	110	140	200
Min. Bend Radius (install) (mm)	44	82	85	93	113
Nominal Weight (kg/km)	19.3	41.8	59.4	75.5	104.8

Electrical Characteristics (at 20°C)

Part Number	C5198	C5199	C5200	C5204	C5202
No of pairs x 24AWG	1	2	3	4	6
Nominal Impedance (Ω)	100				
Max. DC Resistance Conductor (Ω /km)	82.7				
Max. DC Resistance Screen (Ω /km)	78.5				
Capacitance conductor to conductor (pF/m)	37	37	38	41	45
Capacitance cond. To other cond.+screen (pF/m)	76	76	77	79	80
Max. Recommended Current at 25°C (Amps)	2.5				
Max. Operating Voltage (Vrms)	300				

Reference Standards

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