

Low Capacitance RS-422 Computer Cables

18AWG, Individual Screened, PVC Sheath

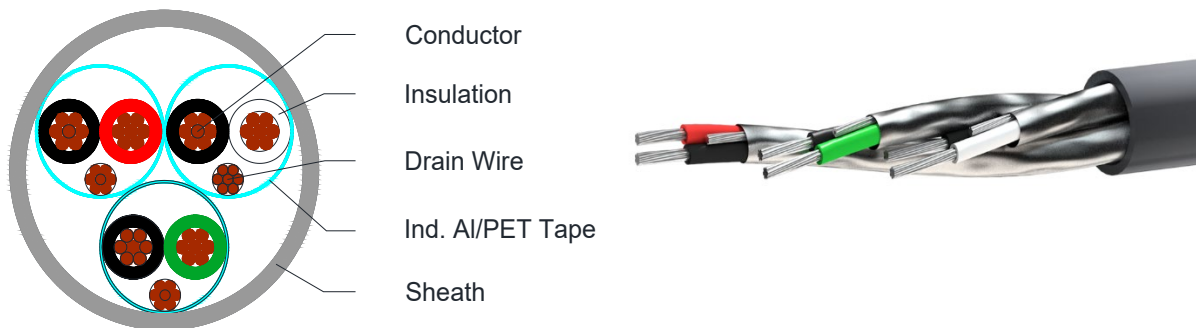


C4204, C4205, C4206, C4207, C4208

Applications

Building Management Systems (BMS), Access Control, Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper Wires, Flexible
Insulation	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	Polyvinyl Chloride (PVC) Standard colour: Grey
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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Physical Characteristics

Part Number	C4204	C4205	C4206	C4207	C4208
Number of pairs	1	2	3	4	6
Conductor size (AWG)	18(16 x 30)				
Nom. Diameter Conductor (mm)	1.16				
Nom. Diameter Insulation (mm)	2.10				
Drain wire size (AWG)	20(7 x 28)				
Nom. Radial Thickness Sheath (mm)	0.70	1.20			
Nom. Overall Diameter (mm)	5.6	9.6	10.5	12.8	14.9
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	240	490	730	970	1460
Min. Bend Radius (install) (mm)	56	96	105	128	149
Nominal Weight (kg/km)	37.1	102.0	131.4	163.0	225.8

Electrical Characteristics (at 20°C)

Part Number	C4204	C4205	C4206	C4207	C4208
No of pairs	1	2	3	4	6
Nominal Impedance (Ω)	57				
Max. DC Resistance Conductor (Ω /km)	23				
Capacitance conductor to conductor (pF/m)	97				
Capacitance cond. To other cond.+screen (pF/m)	144				
Max. Recommended Current at 25°C (Amps)	7.2				
Max. Operating Voltage (Vrms)	300				

Reference Standards

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