

Low Capacitance RS-422 Computer Cables 24AWG, Shielded, PVC Sheath

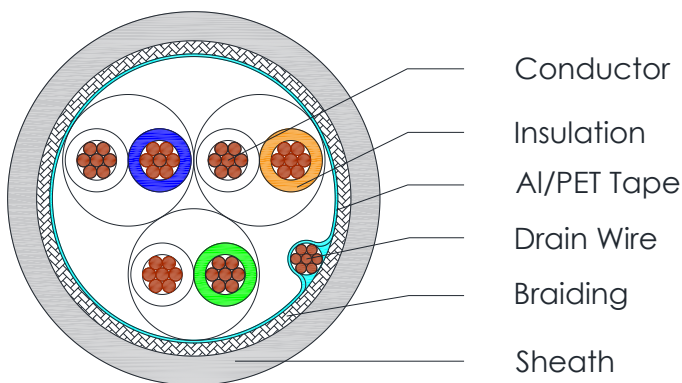


C14109, C14110, C14111, C14112, C14113, C14114

Applications

Building Management Systems (BMS), Access Control, Instrumentation.

Cross Section Drawing



Design

Unit	Properties
Conductor	Tinned Copper Wires, Flexible
Insulation	Foam PE Pair 1: WHITE + BLUE Pair 2: WHITE + Orange Pair 3: WHITE + GREEN Pair 4: WHITE + BROWN Pair 5: WHITE + GREY Pair 6: RED + BLUE Pair 7: RED + ORANGE Pair 8: RED + GREEN
Screen	Aluminium/Polyester foil 115% Coverage
Drain Wire	Tinned Copper wire
Braiding	Tinned Copper wire
Sheath Material	Flame-Retardant 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	C14109	C14110	C14111	C14112	C14113	C14114
Number of pairs	1	2	3	4	6	8
Conductor size (AWG)	24(7 x 32)					
Nom. Diameter Insulation (mm)	1.30					
Drain wire size (AWG)	24(7 x 32)					
Braiding Coverage (%)	65					
Nom. Radial Thickness Sheath (mm)	0.60	0.90				
Nom. Overall Diameter (mm)	4.4	6.90	7.2	7.3	8.7	9.4
Operating Temperature (°C)	-30 / +80					
Max. Recommended Pulling Tension (N)	80	120	170	220	318	421
Min. Bend Radius (install) (mm)	44	69	72	73	87	94
Nominal Weight (kg/km)	19.3	41.8	58.0	62.4	80	100

Electrical Characteristics (at 20°C)

Part Number	C14109	C14110	C14111	C14112	C14113	C14114
No of pairs x 24AWG	1	2	3	4	6	8
Nominal Impedance (Ω)	100					
Max. DC Resistance Conductor (Ω/km)	82.7					
Max. DC Resistance Screen (Ω/km)	14.3					
Capacitance conductor to conductor (pF/m)	37	41	41	41	41	41
Capacitance cond. To other cond.+screen (pF/m)	76	73	73	73	73	72
Max. Recommended Current at 25°C (Amps)	1.8	1.8	1.5	1.5	1.5	1.1
Max. Operating Voltage (Vrms)	300					

Reference Standards

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