

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

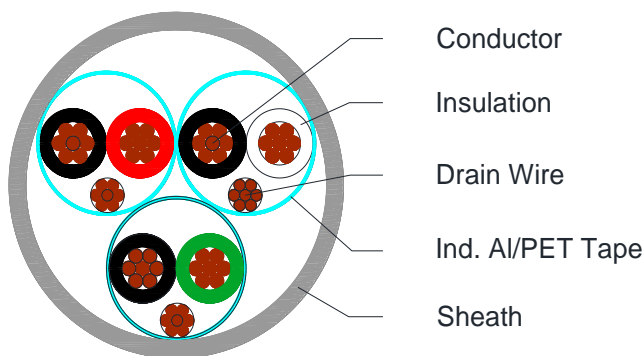


C1382, C1383, C1384, C1386

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	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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C1382, C1383, C1384, C1386

Physical Characteristics

Part Number	C1382	C1383	C1384	C1386
Number of pairs	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)	1.2			
Nom. Overall Diameter (mm)	8.2	8.5	9.3	11.3
Operating Temperature (°C)	-25 / +75			
Max. Recommended Pulling Tension (N)	80	110	140	200
Min. Bend Radius (install) (mm)	82	85	93	113
Nominal Weight (kg/km)	41.8	59.4	75.5	104.8

Electrical Characteristics (at 20°C)

Part Number	C1382	C1383	C1384	C1386
No of pairs x 24AWG	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	38	41	45
Capacitance cond. To other cond.+screen (pF/m)	76	77	79	80
Max. Recommended Current at 25°C (Amps)	2.5			
Max. Operating Voltage (Vrms)	300			

Reference Standards

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