

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

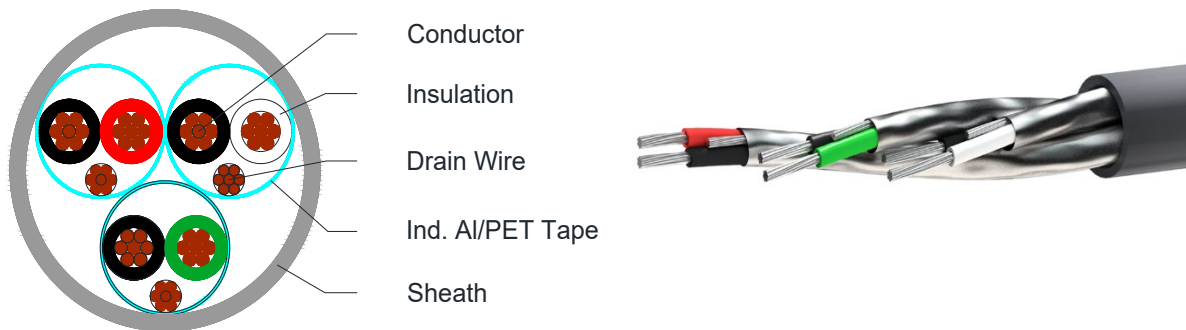


C1382, C1383, C1384, C1386, C4575

## 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 Pair 7: Black/Orange Pair 8: Red/White
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.

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



**C1382, C1383, C1384, C1386, C4575**

## Physical Characteristics

Part Number	C1382	C1383	C1384	C1386	C4575
Number of pairs	2	3	4	6	8
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	12.6
Operating Temperature (°C)	-25 / +75				
Max. Recommended Pulling Tension (N)	80	110	140	200	270
Min. Bend Radius (install) (mm)	82	85	93	113	126
Nominal Weight (kg/km)	41.8	59.4	75.5	104.8	139.7

## Electrical Characteristics (at 20°C)

Part Number	C1382	C1383	C1384	C1386	C4575
No of pairs x 24AWG	2	3	4	6	8
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	45
Capacitance cond. To other cond.+screen (pF/m)	76	77	79	80	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