

Cables for EIA RS-232 Applications, 24AWG, Overall Screen, PVC Sheath

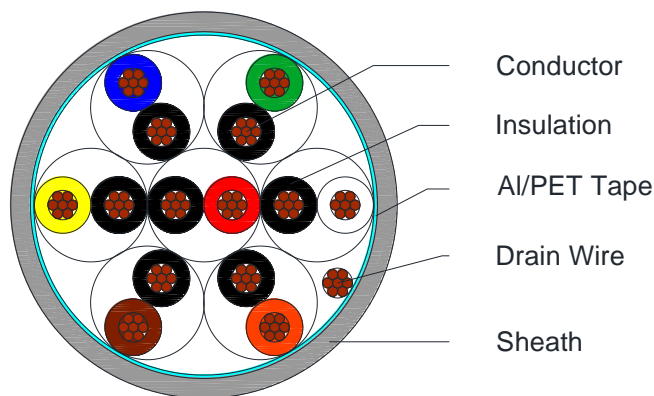


CI181, CI182, CI183, CI184, CI185, CI186, CI187, CI188

Applications

Building Management Systems (BMS), Access Control, Instrumentation

Cross Section Drawing



Design

Unit	Properties
Conductor	Flexible Tinned Copper wire
Insulation	Polyvinyl Chloride (PVC) 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	Aluminium/Polyester tape
Sheath Material	Polyvinyl Chloride (PVC) Standard Colour: Grey
Standard Put Up Length	305 metres

*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

Cables for EIA RS-232 Applications, 24AWG, Overall Screen, PVC Sheath



C1181, C1182, C1183, C1184, C1185, C1186, C1187, C1188

Physical Characteristics

Part Number	C1181	C1182	C1183	C1184	C1185	C1186	C1187	C1188
No of pairs	1	2	3	4	5	6	7	8
Nom. Conductor Configuration (AWG)	24(7x32)							
Nom. Radial Thickness Insulation (mm)	0.25							
Drain Wire size (AWG)	24(7x32)							
Screen Coverage (%)	115							
Nom. Radial Thickness Sheath (mm)	0.8							
Nom. Overall Diameter (mm)	4.0	5.6	5.9	6.7	7.3	7.4	7.5	8.3
Operating Temperature (°C)	-25 / +75							
Max. Recommend. Pulling Tension (N)	45	90	135	180	225	270	315	360
Min. Bend Radius (install) (mm)	40	56	59	67	73	74	75	83
Nominal Cable Weight (kg/km)	18	28	39	48	57	65	73	85

Electrical Characteristics

Part Number	C1181	C1182	C1183	C1184	C1185	C1186	C1187	C1188
No of pairs	1	2	3	4	5	6	7	8
Max. DC Resistance Conductor (Ω /km)	88							
Max. DC Resistance Screen (Ω /km)	78.4							
Capacitance core to core (pF/m)	120	76	76	80	80	80	80	80
Capacitance core to other cores.+screen (pF/m)	270	122	122	130	130	130	130	130
Nominal Inductance (μ H/m)	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.5
Nominal Velocity of Propagation (%)	60							
Max. Recommend. Current @ 25°C (Amps)	1.76	1.76	1.76	1.5	1.5	1.1	1.1	1.1
Max. Operating Voltage (Vrms)	300							

Reference Standards

IEC 60332-1
IEC 60228
BS/EN 50290
RoHS directives