

# Cables for EIA RS-232 Applications, 18AWG, Overall Screen, PVC Sheath

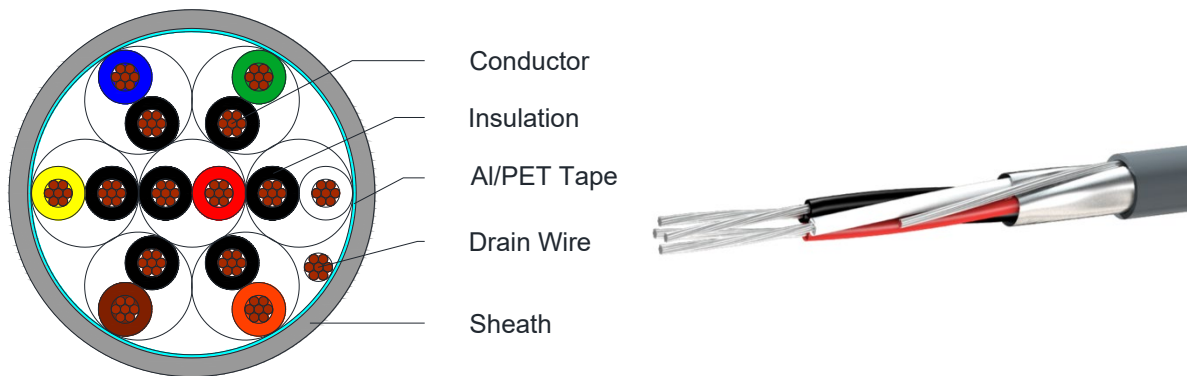


C1690, C1691, C1692, C1693, C1694, C1695, C1696, C1697

## 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, 18AWG, Overall Screen, PVC Sheath



## C1690, C1691, C1692, C1693, C1694, C1695, C1696, C1697

### Physical Characteristics

Part Number	C1690	C1691	C1692	C1693	C1694	C1695	C1696	C1697
No of pairs	1	2	3	4	5	6	7	8
Nom. Conductor Configuration (AWG)	18(7x26)							
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)	5.1	7.3	8.2	9.2	9.7	10.3	10.7	11.4
Operating Temperature (°C)	-25 / +75							
Max. Recommend. Pulling Tension (N)	87	174	260	346	433	520	606	693
Min. Bend Radius (install) (mm)	51	73	82	92	97	103	107	114
Nominal Cable Weight (kg/km)	38	68	89	110	132	154	173	195

### Electrical Characteristics

Part Number	C1690	C1691	C1692	C1693	C1694	C1695	C1696	C1697
No of pairs	1	2	3	4	5	6	7	8
Max. DC Resistance Conductor ( $\Omega$ /km)	22.7							
Max. DC Resistance Screen ( $\Omega$ /km)	78.5							
Capacitance core to core (pF/m)	225	105	103	100	98	97	96	95
Capacitance core to other cores.+screen (pF/m)	426	200	200	190	190	185	180	180
Nominal Velocity of Propagation (%)	60							
Max. Recommend. Current @ 25°C (Amps)	5.4	4.3	4.3	3.6	3.6	2.7	2.7	2.7
Max. Operating Voltage (Vrms)	300							

### Reference Standards

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