

Cables for EIA RS-232 Applications, 22AWG, Overall Screen, PVC Sheath

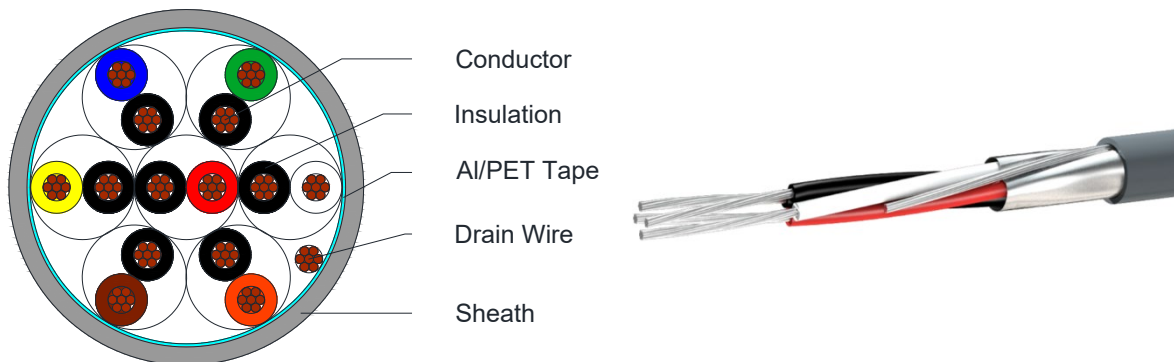


C1660, C1661, C1662, C1663, C1664, C1665, C1666, C1667

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.

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Physical Characteristics

| Part Number | C1660 | C1661 | C1662 | C1663 | C1664 | C1665 | C1666 | C1667 |
|---------------------------------------|-----------|-------|-------|-------|-------|-------|-------|-------|
| No of pairs | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Nom. Conductor Configuration (AWG) | 22(7x30) | | | | | | | |
| 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) | 4.3 | 6.0 | 6.6 | 7.3 | 7.7 | 8.1 | 8.5 | 8.9 |
| Operating Temperature (°C) | -25 / +75 | | | | | | | |
| Max. Recommend. Pulling Tension (N) | 55 | 110 | 165 | 220 | 275 | 330 | 385 | 440 |
| Min. Bend Radius (install) (mm) | 43 | 60 | 66 | 73 | 77 | 81 | 85 | 89 |
| Nominal Cable Weight (kg/km) | 24 | 41 | 52 | 63 | 73 | 85 | 93 | 104 |

Electrical Characteristics

| Part Number | C1660 | C1661 | C1662 | C1663 | C1664 | C1665 | C1666 | C1667 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| No of pairs | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Max. DC Resistance Conductor (Ω/km) | 57.4 | | | | | | | |
| Max. DC Resistance Screen (Ω/km) | 78.5 | | | | | | | |
| Capacitance core to core (pF/m) | 167 | 89 | 88 | 86 | 85 | 84 | 84 | 83 |
| Capacitance core to other cores.+screen (pF/m) | 320 | 170 | 165 | 165 | 160 | 160 | 160 | 155 |
| Nominal Velocity of Propagation (%) | 60 | | | | | | | |
| Max. Recommend. Current @ 25°C (Amps) | 3.0 | 2.4 | 2.4 | 2.0 | 2.0 | 1.5 | 1.5 | 1.5 |
| Max. Operating Voltage (Vrms) | 300 | | | | | | | |

Reference Standards

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