

# Low Capacitance RS-485 Computer Cables 2 Pair 22AWG Overall Screen, SWA Armoured, PVC Sheath



**C4374**

## Applications

Building Management Systems (BMS), Access Control, Instrumentation

## Design

| Unit                   | Properties  |
|------------------------|---|
| Conductor              | Stranded Tinned Copper wire                                     |
| Insulation             | XLPE<br>White & Black with pair number on white conductor       |
| Pair wrapping          | Polyester Tape bearing Manufacturer name and year               |
| Inner Sheath           | XLPE Low Smoke Zero Halogen                                     |
| Filling Material       | Non- hygroscopic material                                       |
| Overall Screen         | Aluminium backed Mylar tape                                     |
| Drain Wire             | Stranded tinned copper wire                                     |
| Bedding                | Polyethylene<br>Black   |
| Armouring type         | Galvanised Steel Wire   |
| Outer Sheath           | UV Resistant Flame-Retardant PVC<br>Standard colour: Light Grey |
| Standard Put Up Length | 305 or 500 meters   |

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

## Physical Characteristics

| Part Number                           | C4374  |
|---------------------------------------|--------|
| Number of pairs                       | 2      |
| Conductor Gauge (AWG)                 | 22     |
| Conductor configuration (AWG)         | 7 x 30 |
| Nom. Radial Thickness Insulation (mm) | 0.6    |
| Inner Sheath Diameter (mm)            | 4.8    |
| Drain Wire Size (mm <sup>2</sup> )    | 0.50   |
| Nom. Bedding Diameter (mm)            | 11.7   |
| Nom. Radial Thickness Sheath (mm)     | 1.2    |
| Nom. Overall Diameter (mm)            | 15.9   |

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## Electrical Characteristics

| Part Number                                  | C4374   |
|--|---------|
| Number of pairs                              | 2       |
| Max. DC Resistance Conductor ( $\Omega$ /km) | 120     |
| Nominal Impedance ( $\Omega$ )               | 110     |
| Max. Capacitance core to core (pF/m)         | 60      |
| Max. Capacitance core to armor (pF/m)        | 100     |
| Max. Operating Voltage (Vrms)                | 300/500 |

## Reference Standards

|                            |               |
|----------------------------|---------------|
| (BS)EN 50290-2-29, type 03 | EN 50288-7    |
| IEC 60228 Class 2          | EIA/TIA-485   |
| IEC 60332-3-24             | BS EN 10257-1 |
| RoHS directives            |               |