

Internal Telephone Cable CWI 308

0.4mm and 0.5mm Conductor, PVC Sheath

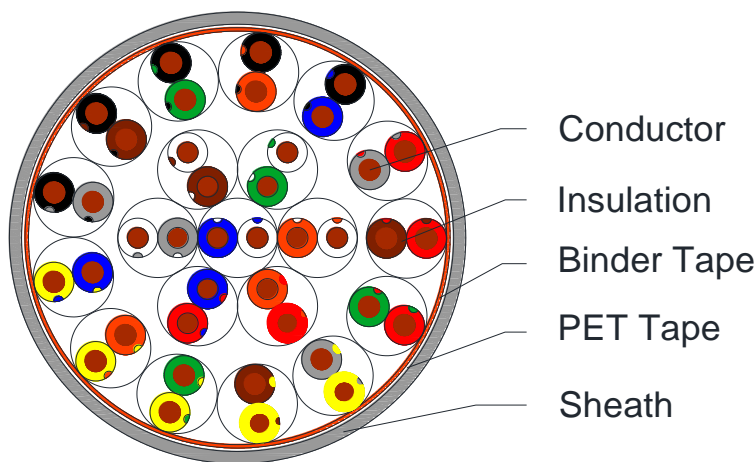


C1070 to C1073 & C1571 to C1580

Applications

Low frequency signals for short-range applications to be terminated in IDC

Cross Section Drawing



Design

| Unit | Properties |
|------------------------|---|
| Conductor | Bare Copper wire, 0.4/0.5mm nominal diameter |
| Insulation | PVC |
| Twinning | Two wires twisted in to pair |
| Stranding | Pairs are stranded in 20 pair units for use with customer distribution schemes. Pairs are stranded in 16 pairs for use with the binary number system. Pairs are stranded in 30 pairs units for PCM systems. |
| Core wrapping | One or more non- hygroscopic tapes longitudinally or helically applied with an overlap. |
| Outer sheath | Polyvinyl Chloride (PVC) Standards Colour: Grey |
| Standard Put Up Length | 305m |

*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

| PN | Numbers of Pairs | Unit Make-up | Nom. Conductor Diameter (mm) | Unit binder colors | Nom. Thickness of Sheath (mm) | Max. Overall Diameter (mm) | Cable Weight (kg/km) |
|-------|------------------|--------------|------------------------------|---------------------------|-------------------------------|----------------------------|----------------------|
| C1575 | 2 | 1 x 2 | 0.4 | NA | 0.4 | 3.9 | 12 |
| C1576 | 3 | 1 x 3 | 0.4 | NA | 0.5 | 5.3 | 19 |
| C1577 | 4 | 1 x 4 | 0.4 | NA | 0.5 | 5.8 | 23 |
| C1578 | 6 | 1 x 6 | 0.4 | NA | 0.6 | 6.8 | 35 |
| C1579 | 10 | 1 x 10 | 0.4 | Org | 0.6 | 8.3 | 53 |
| C1580 | 20 | 1 x 20 | 0.4 | Org | 0.7 | 10.4 | 94 |
| C1571 | 2 | 1 x 2 | 0.5 | NA | 0.4 | 4.3 | 18 |
| C1572 | 3 | 1 x 3 | 0.5 | NA | 0.5 | 5.0 | 23 |
| C1573 | 4 | 1 x 4 | 0.5 | NA | 0.5 | 5.8 | 29 |
| C1574 | 6 | 1 x 6 | 0.5 | NA | 0.6 | 6.8 | 43 |
| C1070 | 10 | 1 x 10 | 0.5 | Org | 0.6 | 8.3 | 63 |
| C1071 | 20 | 1 x 20 | 0.5 | Org | 0.7 | 10.7 | 122 |
| C1072 | 50 | 5 x 10 | 0.5 | Org, Nat(3), Grn | 1.0 | 17.0 | 284 |
| C1073 | 100 | 5 x 20 | 0.5 | Org(2), Nat(2), Grn | 1.5 | 27.0 | 574 |

Electrical Characteristics at 20°C

| Conductor size (mm) | Max. DC Conductor Resistance (Ohm/km) | Min. Insulation resistance 500Vdc for 1Min (MΩ*KM) | Max. Capacitance unbalance AC 800Hz (pF/500m) |
|---------------------|---------------------------------------|--|---|
| 0.40 | 153 | 50 | 200*/300 |
| 0.50 | 97.8 | 50 | 500 |

For cables in unit construction (16 and 30 pairs units)

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Colour code

| Cabling Element No. | a-wire | b-wire | Cabling Element No. | a-wire | b-wire |
|---------------------|--------------|--------------|---------------------|---------------|---------------|
| 1 | WHITE-Blue | BLUE-White | 16 | YELLOW-Blue | BLUE-Yellow |
| 2 | WHITE-Orange | ORANGE-White | 17 | YELLOW-Orange | ORANGE-Yellow |
| 3 | WHITE-Green | GREEN-White | 18 | YELLOW-Green | GREEN-Yellow |
| 4 | WHITE-Brown | BROWN-White | 19 | YELLOW-Brown | BROWN-Yellow |
| 5 | WHITE-Grey | GREY-White | 20 | YELLOW-Grey | GREY-Yellow |
| 6 | RED-Blue | BLUE-Red | 21 | VIOLET-Blue | BLUE-Violet |
| 7 | RED-Orange | ORANGE-Red | 22 | VIOLET-Orange | ORANGE-Violet |
| 8 | RED-Green | GREEN-Red | 23 | VIOLET-Green | GREEN-Violet |
| 9 | RED-Brown | BROWN-Red | 24 | VIOLET-Brown | BROWN-Violet |
| 10 | RED-Grey | GREY-Red | 25 | VIOLET-Grey | GREY-Violet |
| 11 | BLACK-Blue | BLUE-Black | 26 | PINK-Blue | BLUE-Pink |
| 12 | BLACK-Orange | ORANGE-Black | 27 | PINK-Orange | ORANGE-Pink |
| 13 | BLACK-Green | GREEN-Black | 28 | PINK-Green | GREEN-Pink |
| 14 | BLACK-Brown | BROWN-Black | 29 | PINK-Brown | BROWN-Pink |
| 15 | BLACK-Grey | GREY-Black | 30 | PINK-Grey | GREY-Pink |

Note: Uppercase letters indicate the base, solid colour of insulation, and the lower case indicates ink bands applied onto the base colour.

Reference Standards

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|-----------------|
| CW1308 |
| EN 50290-2 |
| M84 Class A |
| RoHS Directives |