



X Choice of reel sizes

X LSF or PVC sheath options

X Cut to length service above 20 Pair

X For colour and reel size availability please contact our Sales Office

X 0.5mm conductor size

X No.3 cabling system by market share, as reported by BSRIA

Features

- Choice of reel sizes
- Cut to length service above 20 Pair
- 0.5mm conductor size
- LSF or PVC sheath options
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Product Overview

The following range of multipair internal telephone cables are manufactured in accordance with BT type CW1308. These cores are twisted into pairs and the required number are sheathed together to form the cable. For 32 pair and above cables, groups of pairs, are bundled together for ease of identification. An earth conductor of 1.38mm plain copper is included where shown.

Specification

1) Conductor

Diameter: 0.50 mm Nominal.
Elongation: 18 to 24 %.

2) Insulation

Each conductor insulated with PVC as per BS 6746. The insulated conductor spark test at 4.5 KVDC.

Ring marking consist of ink bands on base colour. Markings identifiable in every 16 mm length. Marking occupy between 20 & 30 % of the total area of insulation.

Diameter Over Dielectric: Avg. 0.85 +/- 0.005 mm

3) Earth Conductor

Conductor Diameter: 1.38 mm Nominal.

Insulation Diameter: 2.70 +/- 0.05 mm

Colour of Insulation: Cream

Cable Core Wrapping

The cable cores & PVC Insulated Earth Conductor wrapped with the longitudinal Application of non-hygroscopic & Non wicking polyester tape of thickness 0.036 mm minimum & wrapped with nylon binder.

Sheathing Stage

LSF WHITE PVC or PVC grey compound. Sheath thickness & Cable Diameter is as per Table 3..

Printing on Cable

The printing details are as per following example.

EXCEL 100 PR 0.5 MM + E LSF CW 1308
MM/YY 0000MTRS
07010000 MM/YY - Month & Year 07010000 - Cable ID No.

Rip Cord

A nylon ripcord placed under Sheath.

Conductor Resistance

Individual Maximum

97.80 ohms / Km at 20 deg. C ---- for 0.5 mm
12.40 ohms / Km at 20 deg. C Maximum --- for 1.38 mm

Capacitance Unbalance Pair to Pair

500 pF / 500m

Table No. 1 Colour Scheme for pairs

| Pair Number | Colour of Insulation a - Wire | b - Wire |
|-------------|----------------------------------|---------------|
| 1 | WHITE-blue | BLUE-white |
| 2 | WHITE-orange | ORANGE-white |
| 3 | WHITE-green | GREEN-white |
| 4 | WHITE-brown | BROWN-white |
| 5 | WHITE-grey | GREY-white |
| 6 | RED-blue | BLUE-red |
| 7 | RED-orange | ORANGE-red |
| 8 | RED-green | GREEN-red |
| 9 | RED-brown | BROWN-red |
| 10 | RED-grey | GREY-red |
| 11 | BLACK-blue | BLUE-black |
| 12 | BLACK-orange | ORANGE-black |
| 13 | BLACK-green | GREEN-black |
| 14 | BLACK-brown | BROWN-black |
| 15 | BLACK-grey | GREY-black |
| 16 | YELLOW-blue | BLUE-yellow |
| 17 | YELLOW-orange | ORANGE-yellow |
| 18 | YELLOW-green | GREEN-yellow |
| 19 | YELLOW-brown | BROWN-yellow |
| 20 | YELLOW-grey | GREY-yellow |

Note: Colour in capital letter indicates base colour and colour in small letter indicates Ring Marking colour on the core.

Unit

10 Pair & 20 Pair

Table No. 2 Unit Binder Colour & Cable Construction

| Cables | 50 Pair | 100 Pair | 160 Pair |
|---------------------|---------------|---------------|---------------|
| Centre Layer | 5 x 10 Pairs | 1 x 20 Pairs | 4 x 10 Pairs |
| First Layer | - | 8 x 10 Pairs | 6 x 20 Pairs |
| Unit Binder Colours | Orange (10 P) | Orange (20 P) | Orange (10 P) |
| | White (10 P) | Orange (10 P) | White (10 P) |
| | White (10 P) | White (10 P) | White (10 P) |
| | White (10 P) | White (10 P) | Green (10 P) |
| | Green (10 P) | White (10 P) | Orange (20 P) |
| | - | White (10 P) | White (20 P) |
| | - | White (10 P) | White (20 P) |
| | - | White (10 P) | White (20 P) |
| | - | Green (10 P) | White (20 P) |
| | - | - | Green (20 P) |

Table No. 3

| Parameters | 2 Pair | 3 Pair | 4 Pair | 6 Pair | | |
|---------------------------------|----------------|----------------|----------------|---|--|---------------------------------------|
| Maximum Cable Diameter(mm) | 3.86 | 4.40 | 4.85 | 5.70 | | |
| Length per Drum (m) | 100, 200 & 500 | 100, 200 & 500 | 100, 200 & 500 | 100, 200, 250 & 500 | | |
| Parameters | 10 Pair | 20 Pair | 25 Pair | 50 Pair | 100 Pair | 160 Pair |
| Polyester Tape Width (mm) | | | | 45 | 59 | 72 |
| Sheath Thickness (Min. Avg. mm) | | | | 1.2 | 1.8 | 2 |
| Maximum Cable Diameter (mm) | 8.4 | 11.4 | 11.8 | 17 | 27 | 30.3 |
| Order Quantity (km) | | | | 7.2km | 17km | 3.5km |
| Length Per Drum (m) | 100, 200 & 500 | 100, 200 & 500 | 100, 200 & 500 | 100, 200 & 1000 | 100, 200 & 1000 | 500, 1000 |
| Drum Size | | | | 550x350x535 for 100 & 200 850x350x535 for 1000 | 1100x420x550 for 1000< 650x350x535 550x350x535 | 1200x500x700 for 1000 1050x420x550 |

Part Numbers

| Description | Part Number |
|-------------------------|-------------|
| 2 Pair CW1308 | TC002P |
| 3 Pair CW1308 | TC003P |
| 4 Pair CW1308 | TC004P |
| 6 Pair CW1308 | TC006P |
| 10 Pair + Earth CW1308 | TC010PE |
| 20 Pair + Earth CW1308 | TC020PE |
| 25 Pair + Earth CW1308 | TC025PE |
| 40 Pair + Earth CW1308 | TC040PE |
| 50 Pair + Earth CW1308 | TC050PE |
| 100 Pair + Earth CW1308 | TC100PE |
| 160 Pair + Earth CW1308 | TC160PE |
| 200 Pair + Earth CW1308 | TC200PE |

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Contact us at sales@excel-networking.com

