

# Internal Telephone Cables



## ► APPLICATION

Internal telephone cables generally conform to British & International Telecommunications authorities specifications.

Type 1308 cable has each individual core of a different bi-colour for easy identification. In the color coding tables the first color is that of the PVC insulation and the second is the stripe color.

These cables are suitable for cross connecting individual items of switchboard equipments, and are used where an external telephone cable is to be connected to many internal distribution points - in a large block of flats or in a small commercial premises not equipped with private exchanges. These cables are ideal for direct connection on to terminal blocks.

## ► CONSTRUCTION

**Cable Type** : Cu/PVC/PVC

**Conductor** : Solid plain/tinned copper wire to BS4109.

**Insulation** : PVC to BS6746.

**Lay-up** : In full units of 16,20,30 pairs sub-units of 8,10,15 pairs - each unit identified by a different colored lapping tape; units are laid up together to form a compact circular cable

**Wrapping** : Polyester clear tape.

**Sheath** : PVC (Cream, white, grey or black) to BS6746. Fitted with a nylon ripcord for easy stripping.

| No. of Pairs  | No. of Cores | A-Wire Insul. |     | B-Wire Insul. |     | Cond. Area (mm <sup>2</sup> ) | Cond. Insul. R/T (mm) | Core Dia. (mm) | Sheath R/T (mm) | Approx. OD (mm) | Cond. Res. at 20°C (Ω/km) | Insul. Res. (MΩ/km) | Cap. Unbalance (PF)-500M | Approx. Weight (kg/km) | PART NO. | No. of Pairs |
|---|--------------|---------------|-----|---------------|-----|-------------------------------|-----------------------|----------------|-----------------|-----------------|---------------------------|---------------------|--------------------------|------------------------|----------|--------------|
| 1   | 2            | WHI           | BLU | BLU           | WHI |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 1            |
| 2   | 4            | WHI           | ORG | ORG           | WHI | 0.2                           | 0.2                   | 0.9            | 0.6             | 3.5             | 97.8                      | 50                  | 500                      | 18                     | T15002   | 2            |
| 3   | 6            | WHI           | GRN | GRN           | WHI | 0.2                           | 0.2                   | 0.9            | 0.7             | 4.3             | 97.8                      | 50                  | 500                      | 27                     | T15003   | 3            |
| 4   | 8            | WHI           | BRN | BRN           | WHI | 0.2                           | 0.2                   | 0.9            | 0.7             | 4.7             | 97.8                      | 50                  | 500                      | 33                     | T15004   | 4            |
| 5   | 10           | WHI           | GRY | GRY           | WHI | 0.2                           | 0.2                   | 0.9            | 0.7             | 5.1             | 97.8                      | 50                  | 500                      | 39                     | T15005   | 5            |
| 6   | 12           | RED           | BLU | BLU           | RED | 0.2                           | 0.2                   | 0.9            | 0.7             | 5.5             | 97.8                      | 50                  | 500                      | 45                     | T15006   | 6            |
| 7   | 14           | RED           | ORG | ORG           | RED |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 7            |
| 8   | 16           | RED           | GRN | GRN           | RED | 0.2                           | 0.2                   | 0.9            | 0.7             | 6.1             | 97.8                      | 50                  | 500                      | 57                     | T15008   | 8            |
| 9   | 18           | RED           | BRN | BRN           | RED |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 9            |
| 10  | 20           | RED           | GRY | GRY           | RED | 0.2                           | 0.2                   | 0.9            | 0.7             | 6.6             | 97.8                      | 50                  | 500                      | 69                     | T15010   | 10           |
| 11  | 22           | BLK           | BLU | BLU           | BLK |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 11           |
| 12  | 24           | BLK           | ORG | ORG           | BLK | 0.2                           | 0.2                   | 0.9            | 0.8             | 7.3             | 97.8                      | 50                  | 500                      | 83                     | T15012   | 12           |
| 13  | 26           | BLK           | GRN | GRN           | BLK |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 13           |
| 14  | 28           | BLK           | BRN | BRN           | BLK |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 14           |
| 15  | 30           | BLK           | GRY | GRY           | BLK | 0.2                           | 0.2                   | 0.9            | 0.8             | 8.0             | 97.8                      | 50                  | 500                      | 100                    | T15015   | 15           |
| 16  | 32           | YEL           | BLU | BLU           | YEL |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 16           |
| 17  | 34           | YEL           | ORG | ORG           | YEL |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 17           |
| 18  | 36           | YEL           | GRN | GRN           | YEL |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 18           |
| 19  | 38           | YEL           | BRN | BRN           | YEL |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 19           |
| 20  | 40           | YEL           | GRY | GRY           | YEL | 0.2                           | 0.2                   | 0.9            | 0.9             | 9.2             | 97.8                      | 50                  | 500                      | 133                    | T15020   | 20           |
| 21  | 42           | VIO           | BLU | BLU           | VIO |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 21           |
| 22  | 44           | VIO           | ORG | ORG           | VIO |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 22           |
| 23  | 46           | VIO           | GRN | GRN           | VIO |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 23           |
| 24  | 48           | VIO           | BRN | BRN           | VIO |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 24           |
| 25  | 50           | VIO           | GRY | GRY           | VIO | 0.2                           | 0.2                   | 0.9            | 0.9             | 10.1            | 97.8                      | 50                  | 500                      | 162                    | T15025   | 25           |
| 26  | 52           | PNK           | BLU | BLU           | PNK |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 26           |
| 27  | 54           | PNK           | ORG | ORG           | PNK |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 27           |
| 28  | 56           | PNK           | GRN | GRN           | PNK |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 28           |
| 29  | 58           | PNK           | BRN | BRN           | PNK |                               |                       |                |                 |                 |                           |                     |                          |                        |          | 29           |
| 30  | 60           | PNK           | GRY | GRY           | PNK | 0.2                           | 0.2                   | 0.9            | 1.0             | 11.1            | 97.8                      | 50                  | 500                      | 194                    | T15030   | 30           |
| Unit construction cables (Laid up in 10 and 20 pair units as per above color coding.) |              |               |     |               |     |                               |                       |                |                 |                 |                           |                     |                          |                        |          |              |
| 40  | 80           |               |     |               |     | 0.2                           | 0.2                   | 0.9            | 1.0             | 12.5            | 97.8                      | 50                  | 500                      | 249                    | T15040   | 40           |
| 50  | 100          |               |     |               |     | 0.2                           | 0.2                   | 0.9            | 1.2             | 14.1            | 97.8                      | 50                  | 500                      | 316                    | T15050   | 50           |
| 100   | 200          |               |     |               |     | 0.2                           | 0.2                   | 0.9            | 1.6             | 19.7            | 97.8                      | 50                  | 500                      | 622                    | T15100   | 100          |
| 200   | 400          |               |     |               |     | 0.2                           | 0.2                   | 0.9            | 1.8             | 27.0            | 97.8                      | 50                  | 500                      | 1181                   | T15200   | 200          |

