

## CW1600



### Technical data

- **Temperature rating:** 70 °C
- **Minimum bending radius**  
7.5 x cable diameter
- **Maximum conductor resistance at 20 °C**  
96 Ohm/km
- **Nominal diameter of conductors**  
0.5 mm
- **Maximum average mutual capacitance at 0.8 kHz-3.0 kHz:** 80 nF/km
- **Maximum Capacitance Unbalance at 0.8 kHz-3.0 kHz pair-to-pair:**  
500 pF/500m

### Cable structure

- **Conductor:** solid annealed bare or tinned copper
- **Insulation:** PE
- **Screen:** Al-PET and drain wire
- **Fire Barrier Tape:** Mica glass tape is included in cable with more than 10 pairs for achieving the required fire properties
- **Nylon ripcord**
- **Sheath:** LSZH

### Application

The cable is similar to CW 1308 in design and application, but with low smoke halogen free insulation and sheath. CW 1600 has the additional screening advantage due to an Al-PET foil screen and drain wire.

#### 0.5 mm Conductor, 0.95 mm Insulated Wire-Layer

| No. of Pairs | Pair Elements or Unit Size | Outer Diameter mm | Cable Weight kg/km |
|--------------|----------------------------|-------------------|--------------------|
| 2            | Prs1-2                     | 4.5               | 23                 |
| 3            | Prs1-3                     | 5.0               | 35                 |
| 4            | Prs1-4                     | 5.8               | 40                 |
| 6            | Prs1-6                     | 6.8               | 51                 |
| 12           | Prs1-12                    | 9.1               | 92                 |
| 25           | Prs1-25                    | 11.4              | 167                |

## CW1600



### 0.5 mm Conductor, 0.95 mm Insulated Wire-Unit

| No. of Pairs | Pair Elements or Unit Size | Outer Diameter mm | Cable Weight kg/km |
|--------------|----------------------------|-------------------|--------------------|
| 10 + E       | 1/2x20                     | 8.6               | 102                |
| 20 + E       | 20                         | 12.0              | 157                |
| 40 + E       | 20                         | 15.0              | 271                |
| 50 + E       | 20                         | 18.0              | 241                |
| 80 + E       | 20                         | 22.5              | 496                |
| 100 + E      | 20                         | 27.0              | 633                |
| 160 + E      | 20                         | 30.3              | 960                |
| 320 + E      | 20                         | 39.5              | 1840               |

E - Includes additional 1.38 mm diameter insulated earth wire colored white

### Pair identification

| Cabling Element | color 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   |

| Cabling Element | color of Insulation |                 |
|-----------------|---------------------|-----------------|
|                 | A - Wire            | B - Wire        |
| 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   |
| 21              | VIOLET - Blue       | BLUE - Violet   |
| 22              | VIOLET - Orange     | ORANGE - Violet |
| 23              | VIOLET - Green      | GREEN - Violet  |
| 24              | VIOLET - Brown      | BROWN - Violet  |
| 25              | VIOLET - Grey       | GREY - Violet   |