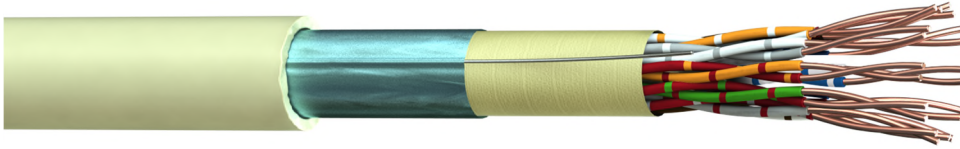


**Description:** Twisted pair telephone cable CW1600. This cable features a fire barrier tape, aluminium foil screen and Low Smoke Halogen Free sheath. Used for the internal wiring of buildings where the need to protect people and equipment from smoke and fumes is paramount.



### Construction

Conductor Material : Solid Bare Copper  
 Conductor Stranding : 1/0.5mm  
 Insulation Material : Polyethylene (PE)  
 Number of Pairs : See table  
 Overall Screen : Aluminium Foil with Tinned Copper Drain Wire  
 Sheath Material : Low Smoke Halogen Free (LSHF)  
 Sheath Colour : Cream  
 Core Identification : BT CW1600 (see attached)

### Electrical Characteristics

Conductor Resistance @ 20°C : 97.8 Ω/km, Earth 12.4 Ω/km  
 Mutual Capacitance : 80 nF/km  
 Capacitance Unbalanced : 500 pF/500m  
 Insulation Resistance : > 50 MΩ/km

### Physical Characteristics

Overall Diameter : See table  
 Temperature Rating : 0°C to +60°C  
 Min. Bend Radius : 8 x OD  
 Weight : See table

### Standards

Flame Retardant : BS EN 60332-1-2, BS EN 50226-2-4, BS EN 50266-2-5  
 Low Smoke Generation : BS EN 61034-2  
 Halogen Gas Emission : BS EN 50267-2-1  
 RoHS3 Compliant : Yes  
 CE Compliant : CPR (305/2011)  
 CPR Classification : Cca – s1b, d2, a2 (EN 50575:2014+A1:2016)

Part No.	No. of Pairs	Weight (kg/km)	OD (mm)
60004-C17	4	39	5.8
60006-C17	6	66	6.8
60010-C17	10	95	8.6
60020-C17	20	185	12.0
60040-C17	40	295	15.0
60050-C17	50	358	18.0
600100-C17	100	692	27.0

**Description:** Twisted pair telephone cable CW1600. This cable features a fire barrier tape, aluminium foil screen and Low Smoke Halogen Free sheath. Used for the internal wiring of buildings where the need to protect people and equipment from smoke and fumes is paramount.

### CW1600 Colour Code

Pair	A-Wire	B-Wire
1	White-Blue	Blue
2	White-Orange	Orange
3	White-Green	Green
4	White-Brown	Brown
5	White-Grey	Grey
6	Red-Blue	Blue
7	Red-Orange	Orange
8	Red-Green	Green
9	Red-Brown	Brown
10	Red-Grey	Grey
11	Black-Blue	Blue
12	Black-Orange	Orange
13	Black-Green	Green
14	Black-Brown	Brown
15	Black-Grey	Grey
16	Yellow-Blue	Blue
17	Yellow-Orange	Orange
18	Yellow-Green	Green
19	Yellow-Brown	Brown
20	Yellow-Grey	Grey
21	Violet-Blue	Blue
22	Violet-Orange	Orange
23	Violet-Green	Green
24	Violet-Brown	Brown
25	Violet-Grey	Grey

### Make up & Unit Identification Colours – 20 Pair Unit

Pair Size	10 pair	20 Pair	40 Pair	50 Pair	100 Pair
Make Up	Number of Units				
Centre	½	1	2	5 x ½	1
1 <sup>st</sup> Layer					4
2 <sup>nd</sup> Layer					****
Unit No.	Colour of Unit Lappings				
1	Orange	Orange	Orange	Orange	Blue
2			Green	Natural	Orange
3				Green*	Green
4					Natural
5					Grey

Note 1: ½ refers to sub-units of 10 Pairs

\* The Green colour lapping shall be applied to the last ½ unit

\*\*\*\* At the manufacturer's discretion the first layer may be 4 x 1

Alternatively the centre layer may be 5 x 1 in which case the Unit lappings shall be coloured Orange, 3 x Natural, Green