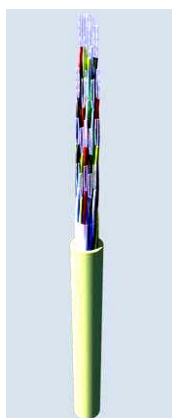


## CW 1308 CAT3 CABLES



Solid plain annealed (or Tinned) Copper conductor, nominal diameter of 0,51 mm.

PVC insulated twisted pair

The cable construction is essentially 20 Pair UNIT style, comprising two off, 10 Pair Sub-Units.

Wrapping: One or more polyester tape helically or longitudinally laid with an overlap.

A non-metallic ripcord may be provided under the cable sheath

PVC or LSZH Sheath (Grey)

\* Options available on request include 0,51 mm solid tinned copper drain wire in contact with Metalised Foil Screen + a layer of mica tape and PVC Insulated Earthing Conductor

## Identification

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

Note 1: Uppercase letters indicate the base, solid colour of insulation, and the lower case indicates ink bands applied onto the base colour

## Conductor Dimension & Resistance

Conductor Diameter (mm)	Resistance per 1000 metres @ 20°C (ohms)	Insulation Radial Thickness Minimum (mm)	Insulated Conductor Overall Diameter Maximum (mm)
0.5 +/- 0.02	97.8	0.15	0.95
1.38 nominal	12.4	0.15	3.50

## Insulation Resistance

Insulation resistance measurements shall be made with not less than 500 volts D.C. After steady electrification for one minute the insulation resistance measured between each conductor and the remaining conductors connected together shall be not less than 50 megohms per 1000 metres at 20°C.

Plain annealed copper wire/PVC insulation/PVC or LSZH sheath  
Internal Telephone Cable

ATTENUATION @ 20 °C (dB/100m)				
@1 MHz	@4 MHz	@8 MHz	@10 MHz	@16 MHz
2.6 dB	5.6 dB	8.5 dB	9.7 dB	13.1 dB

## Details:

Cable Type	Construction (Layer/Unit)	Nom. Sheath Thickness (mm)	Approx. overall diameter (mm)	Delivery Length (m)
4	L	0,75	4,8	2000
6	L	0,7	5,4	2000
10	L	0,7	6,5	2000
100	20U	1,6	20,5	2000
200	20U	2,0	26,2	2000

**Colour code** : For the insulation and sheathing colour BS 6746C or IEC 304 colours.

## Make-Up and Unit Identification Tape Colours -

Pair Size	8/10 Pair	16/20 Pair	32/40 Pair	50 Pair	64/80 Pair	100 Pair	200 Pair
	Number of Units						
Centre	½	1	4 x ½	5 x ½	1	1	3
1 <sup>st</sup> Layer					6 x ½	8 x ½	7
2 <sup>nd</sup> Layer						*****	
	Colours of Unit Lappings						
Unit No.							
1	Orange	Orange	Orange	Orange	Orange	Orange	Orange
2			Green	Natural	Orange	Orange	Natural
3				Green*	Natural	Natural	Green
4					Green	Natural	Orange
5						Green	Natural
6-9							Natural
10							Green

Note 1: ½ refers to sub-units of 8/10 Pairs.

Note 2: These cables may include a single 1.38 mm diameter, PVC insulated, earthing conductor.

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

\*\*\*\* At the manufacturers discretion the first layer may be 4x1

Alternatively the centre layer may be 5x1 in which case the unit lappings shall be coloured Orange, 3x1 Natural, Green