

CW 1308

Internal Telecom Cable



Application

Cables primarily designed for the interconnection of telephone equipment which is installed indoors. In addition these cables may be used for the interconnection of other communication and control equipment or low level signalling applications.

Standards

CW1308

Conductor

Class 1 solid annealed plain copper

Insulation

PVC (Polyvinyl Chloride)

Separator

PETP (Polyethylene Terephthalate)

Sheath

LSF (Low Smoke and Fume)

Sheath Colour

White or Black

Temperature Rating

0°C to +70°C

Minimum Bending Radius

8 x overall diameter



Dimensions

No. of Pairs x Nominal Diameter of Conductors # x mm	Construction	Nominal Thickness of Sheath mm	Nominal Overall Diameter mm	Nominal Weight kg/Km
3 x 0.5	Layered Pairs	0.65	5.0	28.0
4 x 0.5	Layered Pairs	0.65	5.8	35.5
6 x 0.5	Layered Pairs	0.60	6.8	43.0
10 x 0.5	Layered Pairs	0.60	8.3	64.0
25 x 0.5	Layered Pairs	0.80	11.4	150.0
20 + E x 0.5	1 x 20 Pairs + E	0.70	12.0	167.0
50 + E x 0.5	5 x 10 Pairs + E	1.00	17.0	300.0
100 + E x 0.5	1 x 20 Pairs + 8 x 10 Pairs + E	1.50	27.0	580.0

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

Electrical Characteristics

Nominal Diameter of Conductor mm	Maximum Conductor Resistance at 20°C ohms/Km	Maximum Capacitance Unbalance pF/500m
0.50	97.80	500.00

Pair Identification

Colour Code Table CW1308					
Cabling Element	Colour of Insulation		Cabling Element	Colour of Insulation	
	A - Wire	B - Wire		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
11	BLACK - Blue	BLUE - Black	26	PINK - Blue	BLUE - Pink
12	BLACK - Orange	ORANGE - Black	27	PINK - Orange	ORANGE - Pink
13	BLACK - Green	GREEN - Black	28	PINK - Green	GREEN - Pink
14	BLACK - Brown	BROWN - Black	29	PINK - Brown	BROWN - Pink
15	BLACK - Grey	GREY - Black	30	PINK - Grey	GREY - Pink

Electrical Characteristics

Resistance Values (ohms per kilometre and Mohms per kilometre) and Mutual Capacitance (picofarads per metre)

Nominal Diameter of Conductor mm	Maximum Conductor Resistance at 20°C ohms/Km	Minimum Insulation Resistance at 20°C Mohms/Km	Maximum Capacitance Unbalance pF/Km
0.50	97.80	50.00	500.00
1.38	12.4	-	-

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