

# CW I 308 Internal Telephone Cable

## HFFR/LSZH or PVC Sheath

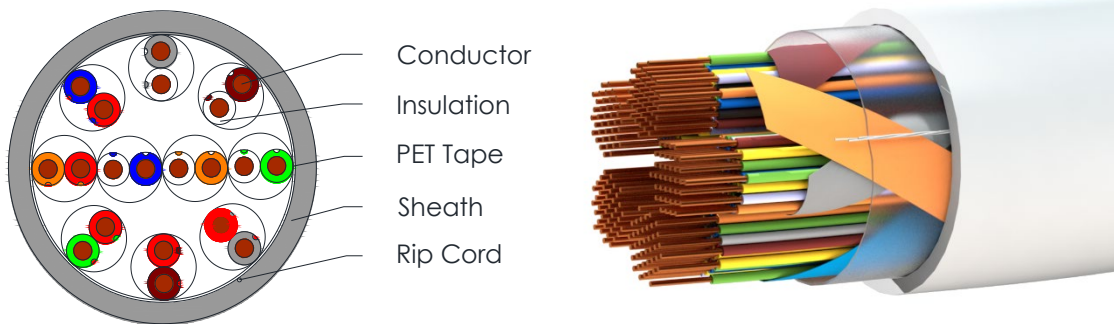


C1571 to C1580, C1070 to C1073, C1081 to C1108

### Applications

Internal Telephone Cable for interconnection of telephone systems and other communications equipment.

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Solid Annealed Copper Wire
Insulation	Polyvinyl chloride (PVC)
Twinning	Pair construction
Earth wire (optional)	Polyvinyl chloride (PVC) Color: Cream
Cabling	One or more non- hygroscopic tapes longitudinally or helically applied with an overlap.
Rip Cord	Nylon Yarn
Outer Sheath Material	Flame Retardant PVC Standard Colour: Grey Or Halogen Free Flame Retardant (HFFR/LSZH) Standard Colour: Purple
Standard Put Up Length	305M or 500m

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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### Electrical Characteristics at 20°C

Conductor Size (mm)	Max DC Resistance (Ohm/km)	Min. Insulation Resistance 500Vdc for 1min (MΩ/Km)	Max Capacitance Unbalance AC 800Hz (pF/500m)
0.40	153	50	200*/300
0.50	97.8	50	500
1.38	12.4	-	-

### Color Scheme

Pair No.	Color		Pair No.	Color	
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

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

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### Constructional Information

#### Cable with PVC Sheath

Part Number	No. Pairs	Unit Make Up	Nom. Conductor size (mm)	Earth wire conductor size (mm)	Max. Earth wire insulation diameter (mm)	Unit Binder Colour	Nom. Thickness of Sheath (mm)	Max Overall Diameter (mm)	Cable Weight (Kg/km)
C1575	2	1 x 2	0.4	-	-	NA	0.4	3.9	12
C1576	3	1 x 3	0.4	-	-	NA	0.5	5.3	19
C1577	4	1 x 4	0.4	-	-	NA	0.5	5.8	23
C1578	6	1 x 6	0.4	-	-	NA	0.6	6.8	35
C1579	10	1 x 10	0.4	-	-	Org	0.6	8.3	53
C1580	20	1 x 20	0.4	-	-	Org	0.7	10.4	94
C1571	2	1 x 2	0.5	-	-	NA	0.4	4.3	18
C1572	3	1 x 3	0.5	-	-	NA	0.5	5.0	23
C1573	4	1 x 4	0.5	-	-	NA	0.5	5.8	29
C1574	6	1 x 6	0.5	-	-	NA	0.6	6.8	43
C1070	10	1 x 10	0.5	-	-	Org	0.6	8.3	63
C14045	12	1 x 12	0.5	-	-	Org	0.6	9.0	76
C1071	20	1 x 20	0.5	-	-	Org	0.7	10.7	122
C1081	25	1 x 25	0.5	-	-	Blu	0.8	11.4	192
C1072	50	5 x 10	0.5	-	-	Org, Nat(3), Grn	1.0	17.0	284
C1082	50	5 x 10	0.5	1.38	3.50	Org, Nat(3), Grn	1.0	18.0	304
C1073	100	10 x 10	0.5	-	-	Org(2), Nat(3), Grn, Org, Nat(2), Grn	1.5	27.0	574
C1083	100	10 x 10	0.5	1.38	3.50	Org(2), Nat(3), Grn, Org, Nat(2), Grn	1.5	28.0	594
C1084	150	3 x 50	0.5	-	-	Org, Nat, Grn	1.7	30.5	1086
C1085	150	3 x 50	0.5	1.38	3.50	Org, Nat, Grn	1.7	30.5	1106
C1086	200	4x 50	0.5	-	-	Org(2), Grn(2)	1.7	33.0	1330
C1087	200	4 x 50	0.5	1.38	3.50	Org(2), Grn(2)	1.7	33.0	1350

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### Cable with HFFR/LSZH Sheath

Part Number	No. Pairs	Unit Make Up	Nom. Conductor size (mm)	Earth wire conductor size (mm)	Max. Earth wire insulation diameter (mm)	Unit Binder Colour	Nom. Thickness of Sheath (mm)	Max Overall Diameter (mm)	Cable Weight (Kg/km)
C1088	2	1 x 2	0.4	-	-	NA	0.4	3.9	12
C1089	3	1 x 3	0.4	-	-	NA	0.5	5.3	19
C1090	4	1 x 4	0.4	-	-	NA	0.5	5.8	23
C1091	6	1 x 6	0.4	-	-	NA	0.6	6.8	35
C1092	10	1 x 10	0.4	-	-	Org	0.6	8.3	53
C1093	20	1 x 20	0.4	-	-	Org	0.7	10.4	94
C1094	2	1 x 2	0.5	-	-	NA	0.4	4.3	18
C1095	3	1 x 3	0.5	-	-	NA	0.5	5.0	23
C1096	4	1 x 4	0.5	-	-	NA	0.5	5.8	29
C1097	6	1 x 6	0.5	-	-	NA	0.6	6.8	43
C1098	10	1 x 10	0.5	-	-	Org	0.6	8.3	63
C1099	20	1 x 20	0.5	-	-	Org	0.7	10.7	122
C1100	25	1 x 25	0.5	-	-	Blu	0.8	11.4	192
C1101	50	5 x 10	0.5	-	-	Org, Nat(3), Grn	1.0	17.0	284
C1102	50	5 x 10	0.5	1.38	3.50	Org, Nat(3), Grn	1.0	18.0	304
C1103	100	10 x 10	0.5	-	-	Org(2), Nat(3), Grn, Org, Nat(2), Grn	1.5	27.0	574
C1104	100	10 x 10	0.5	1.38	3.50	Org(2), Nat(3), Grn, Org, Nat(2), Grn	1.5	28.0	594
C1105	150	3 x 50	0.5	-	-	Org, Nat, Grn	1.7	30.5	1086
C1106	150	3 x 50	0.5	1.38	3.50	Org, Nat, Grn	1.7	30.5	1106
C1107	200	4x 50	0.5	-	-	Org(2), Grn(2)	1.7	33.0	1330
C1108	200	4 x 50	0.5	1.38	3.50	Org(2), Grn(2)	1.7	33.0	1350

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C I 571 to C I 580, C I 070 to C I 073, C I 081 to C I 108

## Reference Standards

CW1308	IEC 61034 for HFFR/LSZH
EN 50290-2	IEC 60754-1 & -2 for HFFR/LSZH
M84 Classification A	RoHS directives