

Construction

Conductor	Plain annealed copper wire to BS6360
Insulation	PVC type 01 to BS6234
Twinning	Two insulated conductor twisted together to form a pair
Pair Screen (optional)	Laminated screen tape with drain wire
Lay-up	Required no. of pairs laid up in concentric layers
Collective Screen (optional)	Laminated screen tape with drain wire underneath outer protection

- a) Type 1 cable PVC Type 6 to BS6746
 b) Type 2 cable Bedding- Polyethelene Type 03 to BS6234
 Armour - Galvanized steel wire
 Sheath - PVC Type TM1 to BS6746

Conductor/ X-section mm / mm ²	Conductor class	Resistance Ohms/km Multipair	Nominal mm	Core dia. mm
16/0.2 (0.5)	5	39.7	0.6	2.35
24/0.2 (0.75)	5	26.5	0.6	2.55
7/0.53 (1.5)	2	12.3	0.6	3

Conductor max. operating temp	+70 c
Min. ambient temp	-20 c
Min. insulation resistance	25M Ohms/ km at 20 c
Max. working voltage	300/500 v
Max. capacitance unbalance	250 pf/ 250m at 1khz
Test voltage	1000 V r.m.s. between conductor and between conductor and screen/armour

Max. L/R ratio conductor size	uH/Ohms
0.5 mm ²	25
0.75 mm ²	25
1.5 mm ²	40

Part 2 Type 1 unscreened & screened
(collective)

Part 2 Type 2 unscreened & screened
(collective)

No. of pairs	Conductor size/ (Cross-sectional area) mm / (mm ²)	Nominal dia over bedding/Type 1 Cable cable mm	Armouring wire diameter mm	Nominal dia. Overall mm
2 (Quad)	16/0.2 (0.5)	6.9	0.9	11.3
5	16/0.2 (0.5)	12.1	0.9	16.9
10	16/0.2 (0.5)	16.2	1.25	18.8
20	16/0.2 (0.5)	21.5	1.6	28.1
2 (Quad)	24/0.2 (0.75)	7.3	0.9	11.9
5	24/0.2 (0.75)	13.3	1.25	18.8
10	24/0.2 (0.75)	17.7	1.6	24.3
20	24/0.2 (0.75)	23.5	1.6	30.3
2 (Quad)	7/0.53 (1.5)	8.7	0.9	13.3
5	7/0.53 (1.5)	15.4	1.25	21.1
10	7/0.53 (1.5)	20.6	1.6	27.4
20	7/0.53 (1.5)	27.5	1.6	34.7

Pair number	a-wire	b-wire
1	White	Blue
2	White	Orange
3	White	Green
4	White	Brown
5	White	Grey
6	Red	Blue
7	Red	Orange
8	Red	Green
9	Red	Brown
10	Red	Grey
11	Black	Blue
12	Black	Orange
13	Black	Green
14	Black	Brown
15	Black	Grey
16	Yellow	Blue
17	Yellow	Orange
18	Yellow	Green
19	Yellow	Brown
20	Yellow	Grey
21	White-Blue	Blue
22	White-Blue	Orange
23	White-Blue	Green
24	White-Blue	Brown
25	White-Blue	Grey
26	Red-Blue	Blue
27	Red-Blue	Orange
28	Red-Blue	Green
29	Red-Blue	Brown
30	Red-Blue	Grey
31	Blue-Black	Blue
32	Blue-Black	Orange
33	Blue-Black	Green
34	Blue-Black	Brown
35	Blue-Black	Grey
36	Yellow-Blue	Blue
37	Yellow-Blue	Orange
38	Yellow-Blue	Green
39	Yellow-Blue	Brown
40	Yellow-Blue	Grey
41	White-Orange	Blue
42	White-Orange	Orange
43	White-Orange	Green
44	White-Orange	Brown
45	White-Orange	Grey
46	Orange-Red	Blue
47	Orange-Red	Orange
48	Orange-Red	Green
49	Orange-Red	Brown
50	Orange-Red	Grey

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Note: Data are subject to change without notice.
Contact your Customer Service representative for latest information.