

Construction

Conductor	Plain copper wire with IEC publication 28
Insulation	Solid Polythene
Twinning	Two cores are twisted together to form a pair
Lay up	Pairs are laid up to make units
Wrapping	Polyster tape is used for cable core wrapping
Shielding	Copper tape is used for screening
Sheath	Water Resistant PVC

Conductor Diameter	Resistance ohms/km	Conductor Elongation %	Insulation Diameter mm	Insulation Strength N	Mutual Capacitance NF
0.6	68	15	1.08	3.5	
0.9	29	15	1.62	4	

Binder colour for unit identification

Unit	1	2	3	4	5	6	7	8	9	10
Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet

Pair no.	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

Layer/ Unit construction

No. of pairs in the cable	No of pairs in centre & layer	Pair no.
2	Centre 2	1 - 2
4	Centre 4	1 - 4
5	Centre 5	1 - 5
6	Centre 1, layer 5	1, 2 - 6
8	Centre 1, layer 7	1, 2 8
10	Centre 2, layer 8	1 2, 3 10

No. of pairs in the cable	No of 10 pairs units in centre & layer	10 Pair no.
15	Centre 3 (5 pairs units)	1 - 3
20	Centre 2	1 - 2
30	Centre 3	1 - 3
40	Centre 4	1 - 4
50	Centre 5	1 - 5
100	Centre 3, layer 7	1 - 3, 4 - 10

No. of pairs in the cable	No of 50 pairs units in cable	Colour of the 50 pair unit identification on tape
150	Centre 3	1 Green + 2 Natural
200	Centre 4	1 Green + 3 Natural

Sheath diameter

Cable Size	Sheath Thickness	Overall Diameter	Net weight per 100 m approx. Kg
(With 0.6mm Conductors)	Mm (Nominal)	Mm (Nominal)	
2 Pair	1.5	8.3	7.7
4 Pair	1.5	8.6	9
5 Pair	1.5	8.9	10.1
6 Pair	1.5	9.4	11
8 Pair	1.5	9.7	13.4
10 Pair	1.5	10.9	14.4
15 Pair	1.5	11.9	19.3
20 Pair	1.5	13	22.4
30 Pair	1.5	15.1	30.7
40 Pair	1.5	16	38.5
50 Pair	1.5	18.3	46.1
100 Pair	1.7	24.6	84.9
200 Pair	1.7	32.7	158

Sheath diameter

Cable Size	Sheath Thickness	Overall Diameter	Net weight per 100 m approx. Kg
(With 0.9mm Conductors)	Mm (Nominal)	Mm (Nominal)	
2 Pair	1.5	10.4	11
10 Pair	1.5	13.7	25.2
20 Pair	1.5	17.6	42.1
30 Pair	1.5	20.6	59.1
40 Pair	1.5	23.6	77.5
50 Pair	1.5	25.8	93.8
100 Pair	1.7	35.3	178
150 pair	2.3	43.4	285
200 Pair	1.7	47.8	342

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