

HOUSE WIRING TELEPHONE CABLE | Multipair (Cu/PE/PVC) PE Insulated PVC Sheathed Cable

APPLICATION

The installation cables are used for telephone, signaling and data transmission for permanent surface or concealed installation in dry and damp rooms and for outdoor application.

CONSTRUCTION

- Conductor:** Solid Plain annealed copper to VDE 0295
- Insulation:** Polyethylene (PE) to VDE 0207-2
- Twisted Pairs:** The cores are carefully twisted with optimal lays and bunched together to deliver minimised crosstalk.
- Sheath:** PVC TM1 to BS 7655 (Specially formulated PVC)
- Option:** FRLS Type/ LSZH Type

VOLTAGE GRADE

200 V

OPERATING TEMP.

- 30°C to +70°C
Max Short Circuit 160°C

MIN. BENDING RADIUS

Approx. 10x Cable Diameter

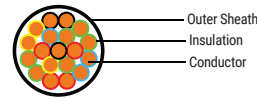
STANDARD

VDE 0816
VDE 0815

COLOR

Insulated Core: Individual Pair Color
Sheath: ● or ● Grey or Black

*REACH | RoHS | CE



CHARACTERISTICS



INSTALLATION CONDITION



CABLE DESIGN PARAMETER

PHYSICAL DATA						ELECTRICAL DATA	
Number of pair (core)	Nominal cross-sectional area	No. of strands & diameter of wire	Nominal thickness of Insulation	Nominal thickness of Sheath	Approx. Overall diameter	Approx. weight of cable	Max. DC resistance of conductor at 20 °C
	mm ²	no./mm	mm	mm	mm	Kg/Km	ohm/Km
1 Pair (2 core)	0.125	1/0.4	0.25	0.8	4.0	18	150
2 Pair (4 core)	0.125	1/0.4	0.25	0.8	4.3	24	150
3 Pair (6 core)	0.125	1/0.4	0.25	1.0	5.4	35	150
4 Pair (8 core)	0.125	1/0.4	0.25	1.2	6.5	47	150
5 Pair (10 core)	0.125	1/0.4	0.25	1.2	7.0	53	150
6 Pair (12 core)	0.125	1/0.4	0.25	1.4	7.7	67	150
7 Pair (14 core)	0.125	1/0.4	0.25	1.4	8.1	74	150
8 Pair (16 core)	0.125	1/0.4	0.25	1.4	8.3	80	150
10 Pair (20 core)	0.125	1/0.4	0.25	1.4	9.3	97	150
15 Pair (30 core)	0.125	1/0.4	0.25	1.4	11.0	130	150
20 Pair (40 core)	0.125	1/0.4	0.25	1.6	13.0	170	150
30 Pair (60 core)	0.125	1/0.4	0.25	1.6	14.5	228	150
1 Pair (2 core)	0.282	1/0.6	0.25	0.8	4.3	22	66.6
2 Pair (4 core)	0.282	1/0.6	0.25	0.8	4.6	31	66.6
3 Pair (6 core)	0.282	1/0.6	0.25	1.0	5.7	44	66.6
4 Pair (8 core)	0.282	1/0.6	0.25	1.2	6.8	70	66.6
5 Pair (10 core)	0.282	1/0.6	0.25	1.2	7.2	75	66.6
6 Pair (12 core)	0.282	1/0.6	0.25	1.4	8.2	90	66.6
7 Pair (14 core)	0.282	1/0.6	0.25	1.4	8.5	99	66.6
8 Pair (16 core)	0.282	1/0.6	0.25	1.4	9.5	105	66.6
10 Pair (20 core)	0.282	1/0.6	0.25	1.4	10.4	132	66.6
15 Pair (30 core)	0.282	1/0.6	0.25	1.4	12.0	185	66.6
20 Pair (40 core)	0.282	1/0.6	0.25	1.6	14.2	245	66.6
25 Pair (50 core)	0.282	1/0.6	0.25	1.6	15.7	300	66.6
30 Pair (60 core)	0.282	1/0.6	0.25	1.6	16.8	352	66.6
40 Pair (80 core)	0.282	1/0.6	0.25	1.6	18.3	438	66.6
50 Pair (100 core)	0.282	1/0.6	0.25	1.6	20.0	525	66.6
100 Pair (200 core)	0.282	1/0.6	0.25	1.6	26.6	935	66.6