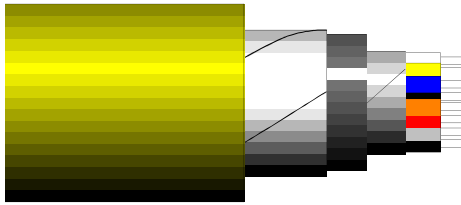




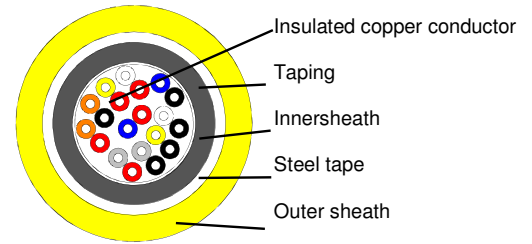
MEBE



Direct burial cable

Outdoor
Jelly filled
Rodent resistant
Steel tape armoured

Jelly filled pair cable for direct burial. The cable has a strong steel tape armour which gives good mechanical resistance to compression and protection against rodents. The steel tape also reduces low frequency noise. The cable is completely jelly filled to avoid water penetration. All pairs are random cross stranded to give low cross-talk levels. The conductors and 10 pair units are colour coded for easy identification. The outer sheath is made of abrasion resistant polyethylene and marked to show cable type, conductor dimension and number of pairs.



Cable construction

Rev.2.

Number of pairs	Conductor diameter (mm)	Insulation thickness (mm)	Innersheath thickness (mm)	Steeltape thickness (mm)	Outer sheath thickness (mm)	Cable diameter (mm)	Weight (kg/km)
5	0.6	0.26	1.2	0.2	1.7	12	198
10	0.6	0.28	1.2	0.3	1.6	14	296
20	0.6	0.28	1.2	0.3	1.6	17	426
50	0.6	0.28	1.2	0.3	1.7	22	748
100	0.6	0.28	1.3	0.3	1.9	29	1250
10	0.9	0.46	1.2	0.3	1.8	18	495
20	0.9	0.46	1.2	0.3	1.7	24	766

Cable properties

Bending		Temperature window	
Minimum bending diameter	15 x D	Operation	-40°C to +60°C
Repeated bending (EN 187000-507)	100 cycles	Installation	-15°C to +60°C
		Storage	-40°C to +70°C
Crush (EN 187000-504)	3.000 N	Water penetration	< 3 m/24 hours
Impact (EN 187000-505)	25 J	(EN 187000-605B)	

Tensile strength

Number of pairs, 0.6 mm conductors	5	10	20	50	100
Maximum tensile load, installation (kN)	0.65	0.85	1.80	3.60	7.10
Maximum tensile load, operation (kN)	0.32	0.43	0.90	1.80	3.55
Number of pairs, 0.9 mm conductors	10	20			
Maximum tensile load, installation (kN)	2.05	3.30			
Maximum tensile load, operation (kN)	1.00	1.65			



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Electrical data at 20 °C

Conductor diameter (mm)	0.6	0.9
Capacitance , maximum average (nF/km)	5-10 pairs: 45±3 ≥20 pairs: 45±2	5-10 pairs: 45±3 ≥20 pairs: 45±2
Capacitance , maximum value (nF/km)	5-10 pairs: 52 ≥20 pairs: 50	5-10 pairs: 50 ≥20 pairs: 49
Capacitance unbalance maximum value (pF/km)	5 pairs: 300 ≥10 pairs: 150	5 pairs: 300 ≥10 pairs: 100
DC-Resistance , loop, maximum average (ohm/km)	127.8	55.6
DC-Resistance , loop, maximum value (ohm/km)	133.2	58.0
Attenuation at 1 MHz maximum value (dB/km)	16.6	13.0
EL-FEXT , within base unit 1 MHz minimum average (dB)	56	56
NEXT within base unit 1 MHz minimum average (dB)	58	58
Impedance 1 MHz (ohm)	110±10	110±10

Ordering information

0.6 mm conductors			0.9 mm conductors		
Number of pairs	Art. No.	Cable code	Number of pairs	Art. No.	Cable code
5	621373	A5-0.6MEBE-45P-T0.2	10	621470	L10-0.9MEBE-45P-T0.3
10	621383	A10-0.6MEBE-45P-T0.3	20	621472	L20-0.9MEBE-45P-T0.3
20	621391	A20-0.6MEBE-45P-T0.3			
50	621441	A50-0.6MEBE-45P-T0.3			
100	621458	A100-0.6MEBE-45P-T0.3			