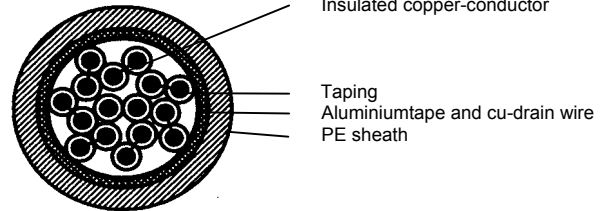


Duct / Direct burial cable FXLE/MXLE



**Outdoor
Jelly filled
Aluminium moisture barrier
Abrasion resistant**

Jelly filled pair cable for duct or direct burial installation. The cable is completely jelly filled to avoid water penetration. A longitudinally applied aluminium tape laminated to the outer sheath serves as an additional moisture barrier and electrostatic screen. All pairs are randomly cross stranded to give low cross-talk levels. The conductors and 10 pair groups are colour coded for easy identification. TELENOR code. The outer sheath is made of abrasion resistant polyethylene and marked to show cable type, conductor dimension and number of pairs.



Cable construction

Rev.1.

Number of pairs	Conductor diameter (mm)	Insulation thickness (mm)	Sheath thickness (mm)	Cable diameter (mm)	Weight (kg/km)
5	0.6	0.28	1.5	9	89
10	0.6	0.28	1.8	12	147
20	0.6	0.28	1.9	15	252
30	0.6	0.28	1.9	16	330
50	0.6	0.28	2.0	20	507
70	0.6	0.28	2.1	24	682
100	0.6	0.28	2.2	26	901
2	0.9	0.48	1.7	10	105
5	0.9	0.46	1.8	13	186
10	0.9	0.46	1.9	17	310
20	0.9	0.46	2.0	21	516
30	0.9	0.46	2.1	25	727
50	0.9	0.46	2.2	31	1127
70	0.9	0.46	2.4	37	1533
100	0.9	0.46	2.5	42	2200

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	30	50	70	100	
Maximum tensile load, installation (kN)	0.6	0.8	1.7	2.0	3.3	4.6	6.6	
Maximum tensile load, operation (kN)	0.3	0.4	0.9	1.0	1.7	2.3	3.3	
Number of pairs, 0.9 mm conductors	2	5	10	20	30	50	70	100
Maximum tensile load, installation (kN)	0.6	1.1	1.8	3.0	4.5	7.5	9.6	13.8
Maximum tensile load, operation (kN)	0.3	0.55	0.9	1.5	2.3	3.8	4.8	6.9

Electrical data at 20°C

Conductor diameter (mm)	0.6	0.9
Capacitance , maximum average (nF/km)	2 pairs: - 5-10 pairs: 45±3 ≥20 pairs: 45±2	2 pairs: - 5-10 pairs: 45±3 ≥20 pairs: 45±2
Capacitance , maximum value (nF/km)	2pairs: 52 5-10 pairs: 52 ≥20 pairs: 50	2pairs: 52 5-10 pairs: 50 ≥20 pairs: 49
Capacitance unbalance maximum value (pF/km)	2pairs: 800 5 pairs: 300 ≥10 pairs: 150	2pairs: 800 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	602390	A5-0.6MXLE-45P	2	602420	L2-0.9FXLE-45D
10	602391	A10-0.6MXLE-45P	5	602423	L5-0.9MXLE-45P
20	602392	A20-0.6MXLE-45P	10	602425	L10-0.9MXLE-45P
30	602393	A30-0.6MXLE-45P	20	602427	L20-0.9MXLE-45P
50	602394	A50-0.6MXLE-45P	30	602430	L30-0.9MXLE-45P
70	602395	A70-0.6MXLE-45P	50	602432	L50-0.9MXLE-45P
100	602396	A100-0.6MXLE-45P	70	602435	L70-0.9MXLE-45P
			100	602437	L100-0.9MXLE-45P

