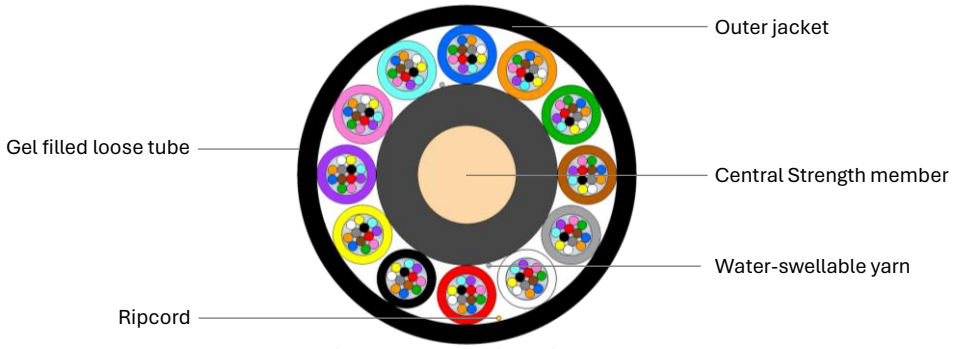
Outdoor Multitube Microcable 12-432F (CC)

Multitube micro cable for external installation by air-blowing technique



Picture not to scale. For illustration only.

CABLE CONSTRUCTION

Fibre Type	G.652.D, G.657.A1, G.657.A2, OM1, OM2, OM3, OM4
Fibre colour	EIA/TIA-598A
Tube colour 1-12	EIA/TIA-598A
Central strength member	FRP rod (coated if necessary)
Ripcord	1x under outer jacket
Outer jacket material	UV resistant black HDPE
Outer jacket thickness	0.5 mm

ATTENUATION COEFFICIENT (dB / Km)

@	SMF (Typical / Max.)	NZDSF (Typical / Max.)	MMF (Typical / Max.)
1310 nm	0.32 / 0.36	—	—
1383 nm	0.32 / 0.36	—	—
1550 nm	0.19 / 0.24	0.23 / 0.35	—
1625 nm	0.22 / 0.26	0.26 / 0.40	—
850 nm	—	—	2.2 / 3.5
1300 nm	—	—	0.5 / 1.5

Typical attenuation is the value measured for at least 90% of the fibres in the cable

TECHNICAL SPECIFICATIONS

Number of fibres	12	24	36	48	60	72	96	144	192	216	288	432	
Number of fibres in tube	12	12	12	12	12	12	12	12	12	12	12	12	
Tube count (layers)	1	2	3	4	5	6	8	12	5+11	6+12	9+15	6+12+18	
Filler count	4	3	2	1	0	0	0	0	0	0	0	0	
Nominal outer diameter (mm)	5.1	5.1	5.1	5.1	5.1	5.7	6.5	8.6	8.3	8.7	10.0	11.7	
Calc. cable weight (kg/km)	23	23	23	23	23	26	39	63	54	61	88	111	
Short-term tensile strength (N)	750	750	750	750	750	930	1800	2800	750	930	2900	930	IEC 60794-1-101
Long-term tensile strength (N)	460	460	460	460	460	550	1100	2000	460	550	1800	550	IEC 60794-1-101
Short-term crush resistance (N/100 mm)	700												IEC 60794-1-103
Long-term crush resistance (N/100 mm)	200												IEC 60794-1-103
Max. impact loading (Nm)	3												IEC 60794-1-104
Min. bend radius not load (OD)	10												IEC 60794-1-111
Min. bend radius load (OD)	20												IEC 60794-1-111
Operating temperature range (°C)	-30 to +70												IEC 60794-1-201
Storage temperature range (°C)	-40 to +70												IEC 60794-1-201
Installation temperature range (°C)	-15 to +50												IEC 60794-1-201
Water tightness (1 m / 24 hrs.)	No leakage												IEC 60794-1-205
Class of fire reaction	Fca												EN 50575, EN 13501-6

ORDERING INFORMATION

Number of Fibers	Cable Code (Ordering Code)	Delivery length	Packing
12	OPK-O-MTFDM-12(5x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
24	OPK-O-MTFDM-24(5x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
36	OPK-O-MTFDM-36(5x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
48	OPK-O-MTFDM-48(5x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
60	OPK-O-MTFDM-60(5x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
72	OPK-O-MTFDM-72(6x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
96	OPK-O-MTFDM-96(8x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
144	OPK-O-MTFDM-144(12x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
192	OPK-O-MTFDM-192(16x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
216	OPK-O-MTFDM-216(18x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
288	OPK-O-MTFDM-288(24x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel
432	OPK-O-MTFDM-432(36x1.5)LTP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Plywood reel

xx – fibre type (see Cable code datasheet)

CABLE MARKING

Print legend: Manufacturer - Cable type – lot number- length marking per 1 m (customer print legend available on request)

Note: Cable marking using the Hot-foil method is done in white. If overprinting is necessary, the color of the text is yellow.

OPTOKON Kable Co., Ltd., s.r.o. reserves the right to make changes in this specification without prior notice.