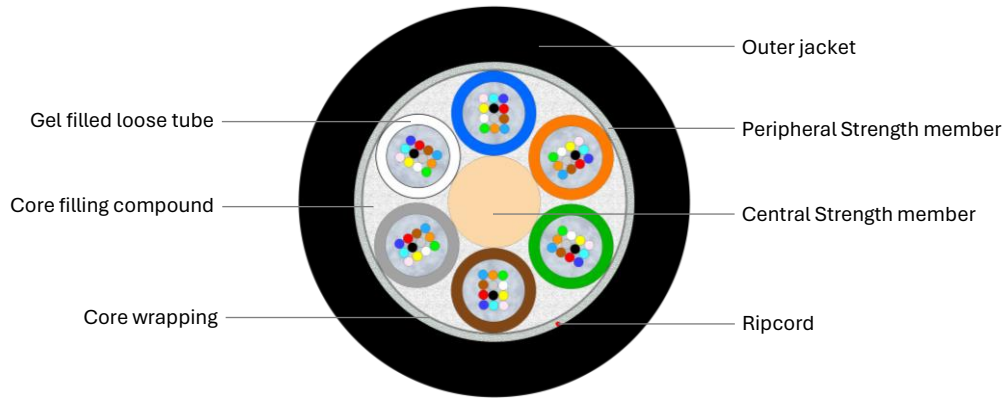


# Outdoor Gel-Filled Multitube Cable 12-144F (2.3)

Fully dielectric cable for external installation on cable trays or into duct by pulling, space between the tubes is filled by gel



Fibre Type	G.652.D, G.657.A1, G.657.A2, G.655, OM1, OM2, OM3, OM4, OM5
Fibre colour	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
Tube colour	Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Violet, Pink, Aqua
Central strength member	FRP rod (coated if necessary)
Core filling compound	Medium-viscosity filling compound
Core wrapping	Polyester foil
Peripheral strength members	Water-swellaable glass yarns
Ripcord	1x under outer jacket
Outer jacket material	UV resistant black HDPE
Outer jacket thickness	1.5 mm

	12	24	36	48	60	72	96	144		
Number of fibres	12	24	36	48	60	72	96	144		
Number of fibres in tube	12	12	12	12	12	12	12	12		
Tube count (layers)	1	2	3	4	5	6	8	12		
Filler count	5	4	3	2	1	0	0	0		
Nominal outer diameter (mm)	10.6	10.6	10.6	10.6	10.6	10.6	12.0	15.0		
Calc. cable weight (kg/km)	93	94	95	95	96	97	123	188		
Short-term tensile strength (N)	3100	3100	3100	3100	3100	3100	4100	5400	IEC 60794-1-101	
Long-term tensile strength (N)	1700	1700	1700	1700	1700	1700	2600	3700	IEC 60794-1-101	
Crush resistance (N/100 mm)									2000	IEC 60794-1-103
Max. impact loading (Nm)									20	IEC 60794-1-104
Min. bend radius not load (OD)									15	IEC 60794-1-111
Min. bend radius load (OD)									20	IEC 60794-1-111
Operating temperature range (°C)									-40 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

Number of Fibers	Cable Code (Ordering Code)	Delivery length	Packing
12	OPK-O-MTFFS-12(6x2.3)LTGP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
24	OPK-O-MTFFS-24(6x2.3)LTGP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
36	OPK-O-MTFFS-36(6x2.3)LTGP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
48	OPK-O-MTFFS-48(6x2.3)LTGP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
60	OPK-O-MTFFS-60(6x2.3)LTGP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
72	OPK-O-MTFFS-72(6x2.3)LTGP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
96	OPK-O-MTFFS-96(8x2.3)LTGP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
144	OPK-O-MTFFS-144(12x2.3)LTGP-xx-BK	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum

xx – fibre type (see Cable code datasheet)

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.