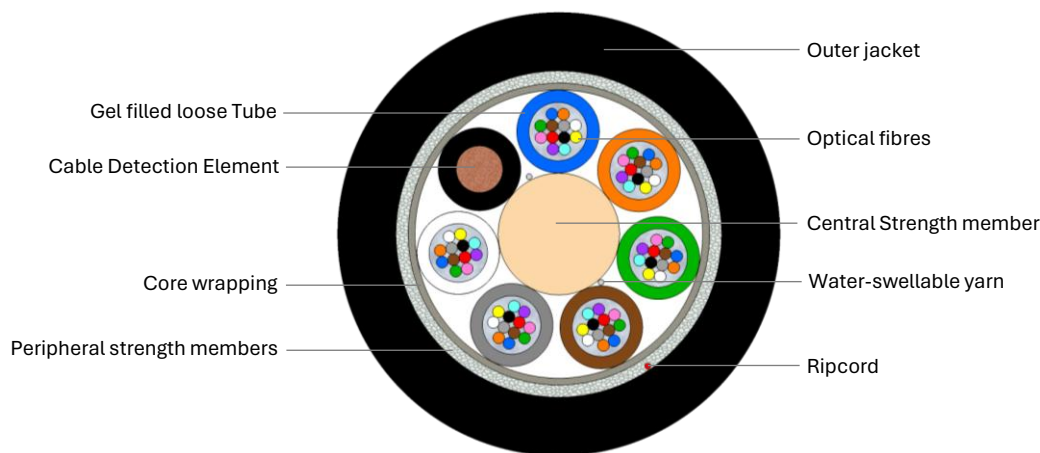


Outdoor Cable with the Detection Element 12-144F (NC)

Multitube fibre optic cable for external installation with insulated copper conductor for easy detection of the cable from the surface of the ground above the cable



Picture not to scale. For illustration only.

Fibre Type	G.652.D, G.657.A1, G.657.A2, G.655, OM1, OM2, OM3, OM4
Fibre colour	EIA/TIA-598A
Tube colour	EIA/TIA-598A
Cable Detection Element	Cu 0.75 mm ² / 1.7 mm PE Black
Central strength member	FRP rod (coated if necessary)
Water-swellable yarn	2x outer central strength member
Core wrapping	Water-swellable tape
Peripheral strength members	Water-swellable glass yarn
Outer jacket material	UV resistant black HDPE
Ripcord	1x under outer jacket

	12	24	48	72	96	144	
Number of fibres	12	24	48	72	96	144	
Number of fibres in tube	12	12	12	12	12	12	
Tube count (layers)	1	2	4	6	8	12	
Filler count	4	3	1	0	0	0	
Cable Detection Element	1	1	1	1	1	1	
Nominal outer diameter (mm)	8.4	8.4	8.4	9.1	10.1	12.3	
Outer jacket thickness (mm)							1.2
Calc. cable weight (kg/km)	58	59	61	73	86	124	
Short-term tensile strength (N)	2000	2000	2000	3300	3400	6200	IEC 60794-1-101
Long-term tensile strength (N)	1100	1100	1100	2000	2200	4900	IEC 60794-1-101
Short-term crush resistance (N/100 mm)							2000
Long-term crush resistance (N/100 mm)							600
Max. impact loading (Nm)							10
Min. bend radius not load (OD)							15
Min. bend radius load (OD)							20
Operating temperature range (°C)							-40 to +70
Storage temperature range (°C)							-40 to +70
Installation temperature range (°C)							-15 to +50
Water tightness (1 m / 24 hrs.)							No leakage
Class of fire reaction							Fca
							EN 50575, EN 13501-6

Number of Fibers	Cable Code (Ordering Code)	Delivery length	Packing
12	OPK-O-MTFDS-12(6x1.7)LTEGP-xx-BK	2100 m ± 5%	Solid wooden non-returnable drum
24	OPK-O-MTFDS-24(6x1.7)LTEGP-xx-BK	2100 m ± 5%	Solid wooden non-returnable drum
48	OPK-O-MTFDS-48(6x1.7)LTEGP-xx-BK	2100 m ± 5%	Solid wooden non-returnable drum
72	OPK-O-MTFDS-72(7x1.7)LTEGP-xx-BK	2100 m ± 5%	Solid wooden non-returnable drum
96	OPK-O-MTFDS-96(9x1.7)LTEGP-xx-BK	2100 m ± 5%	Solid wooden non-returnable drum
144	OPK-O-MTFDS-144(13x1.7)LTEGP-xx-BK	2100 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.

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

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