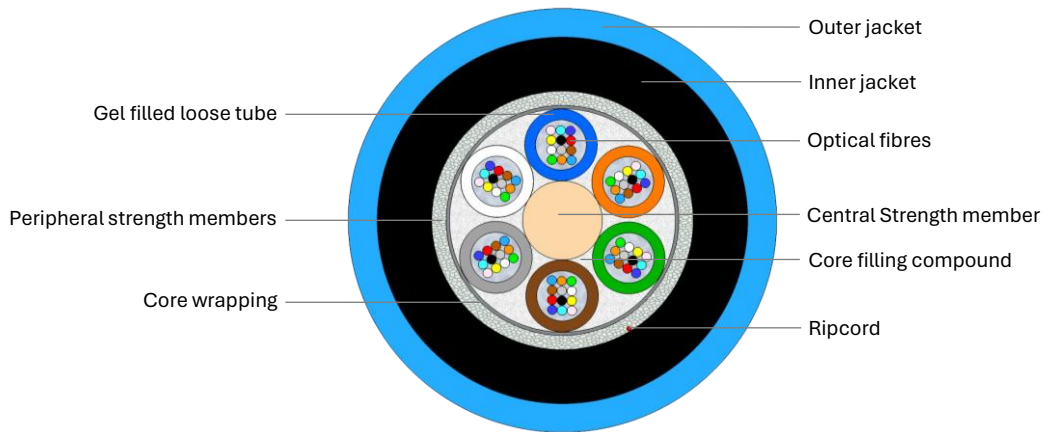


## Non-metallic Armoured Outdoor Cable 12-144F (SC)

Non-metallic armoured cable suited for external installation into duct or direct burial in the ground, with improve resistance against rodents and termites



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
Tube filling compound	Low-viscosity filling gel
Central strength member	FRP rod (coated if necessary)
Core filling compound	Medium-viscosity filling compound
Core wrapping	Polyester foil
Peripheral strength members	Water-swellable glass yarns
Inner jacket	UV resistant black HDPE
Outer jacket material	Blue UV resistant Polyamide
Ripcord	1x under inner 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	5	4	2	0	0	0	
Nominal outer diameter (mm)	11.8	11.8	11.8	11.8	13.2	15.6	
Inner jacket thickness (mm)				1.5			
Outer jacket thickness (mm)				0.8			
Calc. cable weight (kg/km)	116	116	116	117	148	199	
Short-term tensile strength (N)	4300	4300	4300	4300	8500	10500	IEC 60794-1-101
Long-term tensile strength (N)	1400	1400	1400	1400	2700	3300	IEC 60794-1-101
Short-term crush resistance (N/100 mm)				3000			IEC 60794-1-103
Long-term crush resistance (N/100 mm)				900			IEC 60794-1-103
Max. impact loading (Nm)				25			IEC 60794-1-104
Abrasion test				No jacket perforation			IEC 60794-1-102
				No loss of legibility			IEC 60794-1-102
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-MTFFR-12(6x2.0)LTGGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
24	OPK-O-MTFFR-24(6x2.0)LTGGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
48	OPK-O-MTFFR-48(6x2.0)LTGGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
72	OPK-O-MTFFR-72(6x2.0)LTGGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
96	OPK-O-MTFFR-96(8x2.0)LTGGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
144	OPK-O-MTFFR-144(12x2.0)LTGGPN-xx-BU	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.