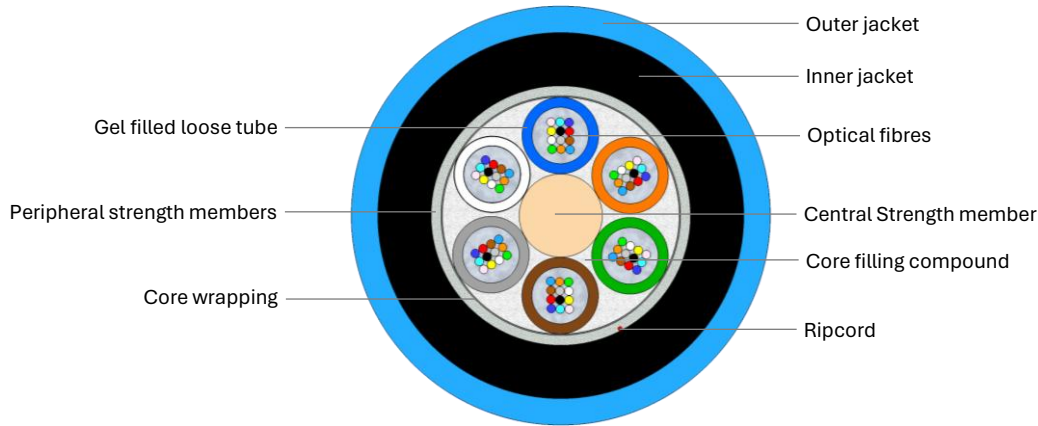


Non-metallic Armoured Outdoor Cable 12-144F (HC)

Non-metallic armoured cable suited for external installation into duct or direct burial in the ground, with improve resistance against 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-swellaable glass yarns
Ripcord	1x under inner jacket
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)	12.6	12.6	12.6	12.6	13.8	16.8	
Inner jacket thickness (mm)							1.6
Outer jacket thickness (mm)							0.8
Calc. cable weight (kg/km)	129	129	131	132	155	202	
Short-term tensile strength (N)	4100	4100	4100	4100	4100	4100	IEC 60794-1-101
Long-term tensile strength (N)	2000	2000	2000	2000	2000	2000	IEC 60794-1-101
Short-term crush resistance (N/100 mm)							2500
Long-term crush resistance (N/100 mm)							750
Max. impact loading (Nm)							25
Abrasion test							No jacket perforation
							No loss of legibility
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-MTFFS-12(6x2.3)LTGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
24	OPK-O-MTFFS-24(6x2.3)LTGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
48	OPK-O-MTFFS-48(6x2.3)LTGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
72	OPK-O-MTFFS-72(6x2.3)LTGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
96	OPK-O-MTFFS-96(8x2.3)LTGPN-xx-BU	2100 m ± 5% , 4200 m ± 5%	Solid wooden non-returnable drum
144	OPK-O-MTFFS-144(12x2.3)LTGPN-xx-BU	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.

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