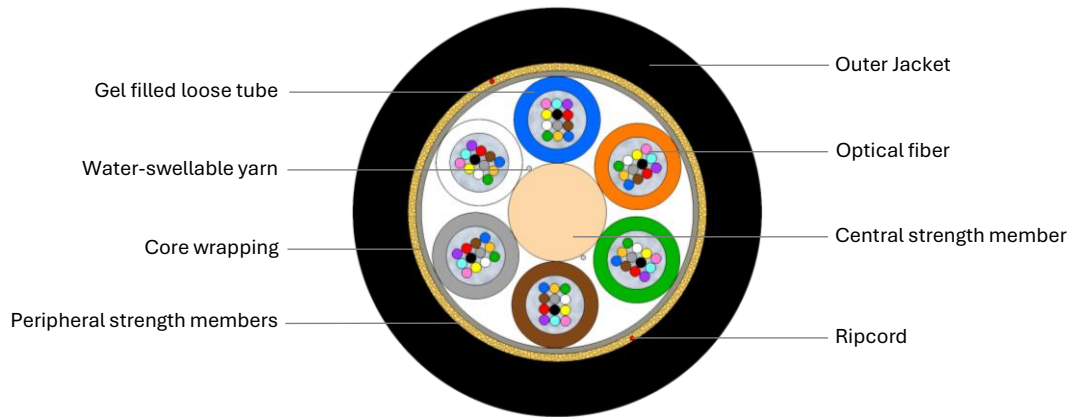


ADSS Multitube Cable 12-144F (RA)

All dielectric self-supporting (ADSS) cable for overhead installations



Picture not to scale. For illustration only.

Fibre Type	G.652.D, G.657.A1, G.657.A2
Fibre colour	EIA/TIA-598A
Loose Tube	Gel-Filled PBT buffer tube
Tube colour	EIA/TIA-598A
Tube filling compound	Low-viscosity filling gel
Central strength member	FRP rod (coated if necessary)
Core wrapping	Water-swellable tape
Peripheral strength members	Water-swellable glass yarns
Ripcord	2x under outer jacket
Outer jacket material	UV resistant Black HDPE

	12	24	48	60	72	96	144	
Number of fibres	12	24	48	60	72	96	144	
Number of fibres in tube	12	12	12	12	12	12	12	
Tube count (layers)	1	2	4	5	6	8	12	
Filler count	5	4	2	1	0	0	0	
Nominal outer diameter (mm)	10.4	10.4	10.4	10.4	10.4	11.8	14.8	
Outer jacket thickness (mm)				1.4				
Calc. cable weight (kg/km)	79	80	81	82	83	105	162	
Temperature coefficient (ppm/k)	13.7	13.7	13.7	13.7	13.7	15.4	18.9	
Modulus (GPa)	10.26	10.26	10.26	10.26	10.26	9.19	7.50	
Short-term tensile strength (N)	4520	4520	4520	4520	4520	5170	6570	IEC 60794-1-101
Long-term tensile strength (N)	2540	2540	2540	2540	2540	3190	4720	IEC 60794-1-101
Short-term crush resistance (N/100 mm)				1500				IEC 60794-1-103
Max. impact loading (Nm)				10				IEC 60794-1-104
Min. bend radius not load (OD)(mm)				15				IEC 60794-1-111
Min. bend radius load (OD)(mm)				20				IEC 60794-1-111
Operating temperature range (°C)				-45 to +70				IEC 60794-1-201
Storage temperature range (°C)				-45 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-MTFDA-12(6x2.2)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
24	OPK-O-MTFDA-24(6x2.2)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
48	OPK-O-MTFDA-48(6x2.2)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
60	OPK-O-MTFDA-60(6x2.2)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
72	OPK-O-MTFDA-72(6x2.2)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
96	OPK-O-MTFDA-96(8x2.2)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
144	OPK-O-MTFDA-144(12x2.2)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum

xx – fibre type (see Cable code datasheet)

Installation Sag	Load level (NESC)	Max. Installation tension			Max. Sag			Max. Installation Span		
12-144	12-144	12-72	96	144	12-72	96	144	12-72	96	144
1 %	Light	2300 N	3120 N	4240 N	0.91 m	1.24 m	4.60 m	105 m	133 m	142 m
1 %	Medium	2460 N	3160 N	4260 N	2.28 m	3.03 m	4.44 m	83 m	105 m	122 m
1 %	Heavy	2400 N	3100 N	4130 N	1.55 m	2.20 m	3.34 m	47 m	62 m	78 m

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.