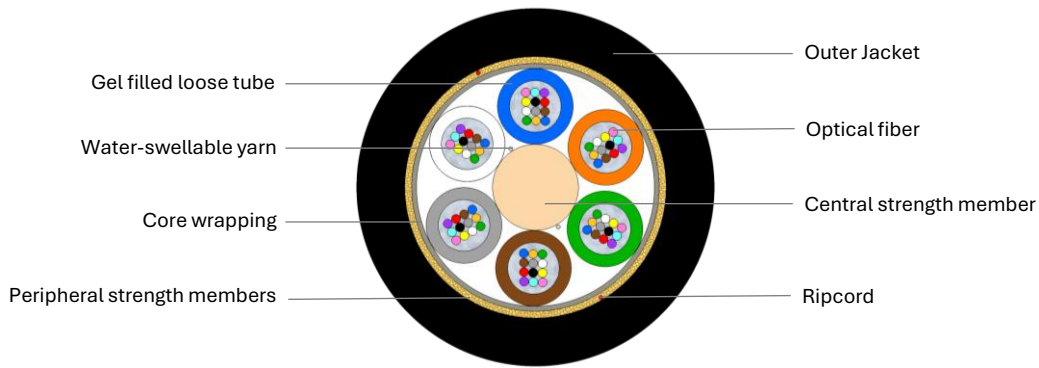


ADSS Multitube Cable 12-144F (SC)

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, OM1, OM2
Fibre colour	EIA/TIA-598A
Loose Tube	Gel-Filled PBT buffer tube
Tube colour	EIA/TIA-598A
Central strength member	FRP rod (PE coated if necessary)
Core wrapping	Water-swellable tape
Peripheral strength members	Water-swellable Aramid yarn
Ripcord	2x under outer jacket
Outer jacket material	UV resistant Black HDPE

	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)	9.8	9.8	9.8	9.8	11.3	13.7
Outer jacket thickness (mm)	1.5					
Calc. cable weight (kg/km)	69	70	71	72	100	135
Temperature coefficient (ppm/k)	25.3	25.3	25.3	25.3	19.0	14.3
Modulus (GPa)	5.95	5.95	5.95	5.95	8.89	13.81
Short-term tensile strength (N)	2400					
Short-term crush resistance (N/100 mm)	2000					
Long-term crush resistance (N/100 mm)	600					
Max. impact loading (Nm)	5					
Min. bend radius not load (OD)(mm)	10					
Min. bend radius load (OD)(mm)	10					
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					

Number of Fibers	Cable Code (Ordering Code)	Delivery length	Packing
12	OPK-O-MTFDA-12(6x2.0)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
24	OPK-O-MTFDA-24(6x2.0)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
48	OPK-O-MTFDA-48(6x2.0)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
72	OPK-O-MTFDA-72(6x2.0)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
96	OPK-O-MTFDA-96(8x2.0)LTAP-xx-BK	2100 m ± 5% , 4200 ± 5%	Solid wooden non-returnable drum
144	OPK-O-MTFDA-144(12x2.0)LTAP-xx-BK	2100 m ± 5% , 4200 ± 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.

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

Loading conditions of 6 elements construction						
		Max.Span (m)	Sag (m)	Tension (N)	Vertical Sag (m)	HORIZONTAL Sag (m)
Sag 1 %	NESC Light	80	0.8	1500	0.8	2.6
	NESC Medium	55	0.55	1500	1.6	1.3
	NESC Heavy	35	0.35	1600	1.3	0.8
Sag 2 %	NESC Light	100	2.0	1550	1.2	4.0
	NESC Medium	70	1.4	1550	2.5	2.0
	NESC Heavy	40	0.8	1600	1.6	1.0
Loading conditions of 8 elements construction						
Sag 1 %	NESC Light	55	0.55	1550	0.4	1.4
	NESC Medium	40	0.4	1550	0.9	0.7
	NESC Heavy	25	0.25	1600	0.7	0.4
Sag 2 %	NESC Light	70	1.4	1550	0.7	2.3
	NESC Medium	50	1.0	1550	1.4	1.1
	NESC Heavy	25	0.5	1450	0.8	0.5
Loading conditions of 12 elements construction						
Sag 1 %	NESC Light	35	0.35	1600	0.2	0.7
	NESC Medium	25	0.25	1500	0.4	0.3
	NESC Heavy	15	0.15	1550	0.3	0.2
Sag 2 %	NESC Light	45	0.9	1500	0.4	1.2
	NESC Medium	35	0.7	1550	0.8	0.6
	NESC Heavy	20	0.4	1550	0.5	0.3

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.