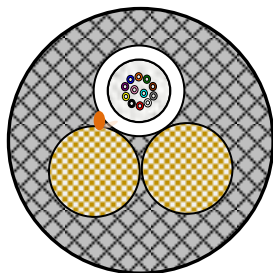


SINGLE JACKET, DRY CORE, ADSS SHORT SPAN 12 FIBER-COUNT CABLE



Design

- Optical Fibres
- Gel-filled Buffer Tubes
- Dielectric Strength Members (2)
- Ripcord
- Outer Jacket

Features

- Small diameter and lightweight design for easy handling and installation

Version illustrated is the 12 Fibre Cable

Fibre Count	Tubes	Core Design	Outer Diameter [mm]	Cable Weight [kg/km]	Standard Length [m]
12	1 (12F)	2+1	7.2	49.5	3000

This table shows nominal diameter and weight values which may differ in shipments.

Identification

Fibre Colour Code:

Green	Yellow	White	Blue	Red	Violet
Brown	Rose	Black	Slate	Orange	Aqua

Alternative tube and fibre colour code available on request.

Sheath Marking:

OFS OPTICAL CABLE ADSS MINI-RA OD 7.2mm [ID] [MM/YYYY] [Handset Sign] 012F [Meter Marking]

Alternative sheath printing available on request.

In case of order the exact sheath printing text will be clarified with the customer.

Marking color is WHITE. In the event of a reprint being required, then this will be in YELLOW.

Cable ends are sealed by thermoplastic cap.

Internal cable end is available for testing by customer.

Mechanical Properties and Environmental Behaviour

Tests according IEC 60794

	Parameter	Requirement	Value
Tensile Performance: IEC 60794-1-21-E1	Long term load	– No attenuation increase*	Load: 800 N
	Short term load	– No fibre strain	
		– No changes in attenuation before versus after load*	Load: 2400 N
Crush Performance: IEC 60794-1-21-E3A	Long term load	– Max. fibre strain 0.5%	Load (Plate/Plate): 500 N
	Short term load	– No attenuation increase*	Load (Plate/Plate): 1000 N
		– No changes in attenuation before versus after load*	
Impact Performance: IEC 60794-1-21-E4	3 Impacts; 500 mm apart	– No damage**	
	Anvil: R = 300 mm	– No changes in attenuation before versus after load*	Load: 10 J
		– No damage**	
Bending Performance: IEC 60794-1-21-E11A	Handling fixed installed	– No attenuation increase*	Bend radius: 140 mm
	During installation (under Load)	– No changes in attenuation before versus after load*	Bend radius: 100 mm
Temperatures: IEC 60794-1-22-F1	Operation	– No attenuation increase*	-40 to +50°C
	Installation		-5 to +50°C
	Storage/Shipping		-40 to +70°C
Water penetration: IEC 60794-1-22-F5B	Water tower height: 1m	– No water leakage from the opposite of the sample	Test time: 24 hrs
	Sample length: 3m		

* No changes in attenuation means that any changes in measurement value, either positive or negative within the uncertainty of measurement shall be ignored. The total uncertainty of measurement shall be less than or equal to 0.05 dB.

** Mechanical damage – when examined visually without magnification, there shall be no evidence of damage to the sheath. The imprint of plates will not be considered as damage.

Environmental Behaviour		Sag and Tension Calculation	
		Install sag 1 %	
Loading Conditions	Max span, m	All Loading Condition	
		Tension, kN	Sag, m
NESC LIGHT	175	2,2	4,7
NESC MEDIUM	90	2,3	3,0
NESC HEAVY	55	2,4	2,0

	NESC LIGHT	NESC MEDIUM	NESC HEAVY
Ice Thickness	0 mm	6,4 mm	12,7 mm
Wind Pressure	431 N/m ² (95,5 km/hr)	192N/m ² (63,6 km/hr)	192 N/m ² 63,6 km/hr)
Temperature	-1,1 C	-9,4 C	-17,8 C
Safety Factor	0,73 N/m	2,92 N/m	4,38 N/m