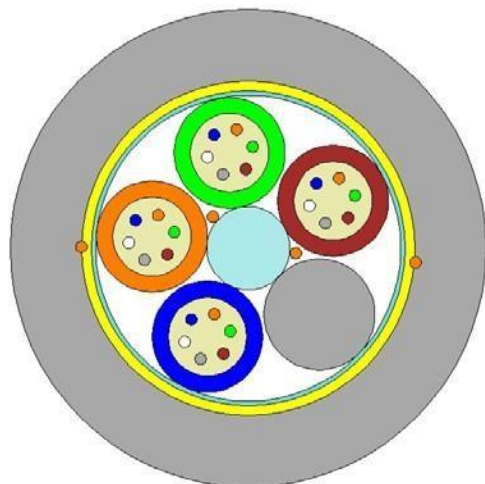


12F, 24F, 48F, 72F ADSS Cable Span 50m

Cable Design

IEC/EN 60794-3-20



- Not to scale -

- **Central strength member (CSM):** glass fiber reinforced plastic material (FRP).
- **Tube:** thermoplastic material, containing up to 12 optical fibers and filled with a suitable water tightness compound.
- **Stranding:** the required number of elements (tubes or fillers) are SZ stranded around the central strength member.
- **Core Wrapping:** water blocking tape & yarns (dry core).
- **Peripheral reinforcement:** aramid yarns.
- **Outer Sheath:** HDPE. 2 ripcords beneath.

Technical data

No. of Fibers		12, 24	48	72
Design (Elements x Fibers / Tube)		5x6	5x12	6x12
Loose Tube / Filler - Ø	mm	2.0	2.2	2.2
CSM/sheath diameter	mm	1.6	1.8	2.3
Outer sheath minimum thickness	mm	1.5	1.5	1.5
Cable normal Diameter	mm	9.0	9.6	10.0
Cable Weight	kg / km	61	67	73
Maximum span	m	50	50	50
Minimum sag	%	1.5	1.5	1.5
Maximum Operation Tension	kN	1.0	1.2	1.5
NESC CONDITIONS		NESC Light		
Min. bending radius	mm	Without Tension 10 x Cable-Ø		Under Maximum Tension 20 x Cable-Ø
Temperature range	°C	Installation -5 -> +50;	Transport. & Storage -40 -> +70 ;	Operation -20 -> +70

Please refer to our General Installation, Safety & Handling recommendations before handling.

Main characteristics

Test	Standard	Value	Sanction*
Crush	IEC 60794-1-2-E3	2200 N / 100mm	⊗α < 0.1 dB after test , cable integrity
Temperature range	IEC 60794-1-2-F1	-10 -> +70°C	⊗α < 0.1 dB /km
Water Penetration	IEC 60794-1-2-F5B	sample=3m, water=1m	No water leakage after 24 hour

* Values for single-mode fibers, all optical measurements performed at 1550 nm

Loose Tube

Optical Characteristics

See the attached cabled optical fiber datasheet.

Identification

Fiber Colors

No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua

Loose Tube Colors

No.	1	2	3	4	5	6
Color	blue	orange	green	brown	grey	white

Fillers are black.

Sheath Color:

Outer sheath color is black.

Sheath Marking:

The outer sheath is marked in 1 meter intervals as follows:

<year> **XXF G652D ADSS CABLE SPAN 50M**

<length marking in meter>

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4 km with a tolerance of -0% ~ +5%.

All sizes and values without tolerances are reference values. Specifications are for product as supplied by NCM SUPPLIES: any modification or alteration afterwards of product may give different result.

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