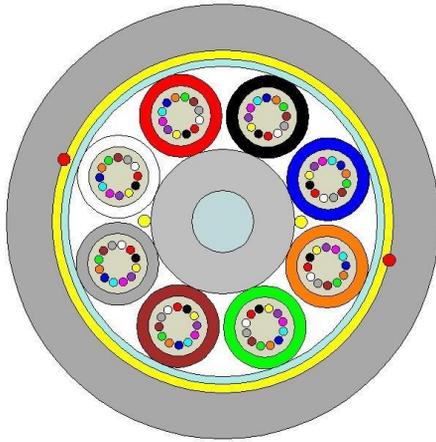


# 12F 24F 48F 96F 144F ADSS Cable, 200m Span (1.5% SAG, NESC Light)

TD 20-039

## Cable Design

## IEC/EN 60794-3-20



- **Central strength member (CSM):** glass fibre reinforced plastic material (FRP) with PE coating when needed.
- **Tube:** thermoplastic material, containing up to 12 optical fibres 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 (dry core).
- **Peripheral reinforcement:** aramid yarns.
- **Outer Sheath:** HDPE. 2 ripcords beneath.

## Technical data

No. of Fibres		12,24	48	96	144
Design(element × fibre per tube)		6x6	6x12	8x12	12x12
Loose Tube / Filler - Ø nominal	mm	2.2	2.4	2.4	2.4
CSM/coating nominal diameter	mm	2.5	2.7	2.7/4.2	2.7/7.5
Outer sheath nominal thickness	mm	1.5	1.5	1.5	1.5
Cable nominal Diameter	mm	10.6	11.1	12.7	15.9
Cable Weight	kg / km	8 5	93	116	180
Maximum installation tension	N	1300	1500	1900	3000
Max. Operating tension	N	3000	3300	3800	5000
Maximum span	m	200			
Minimum sag	%	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	Transport. & Storage	Operation	
		-10 -> +60;	-40 -> +70 ;	-40 -> +70	

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

## Main characteristics

Test	Standard	Value	Sanction*
Max. installation tension	IEC 60794-1-2-E1	see above table	no visible fibre strain, Da reversible
Max. Operating tension reversible	IEC 60794-1-2-E1	see above table	fibre strain ≤ 0.2%, Da
Crush(short term)	IEC 60794-1-2-E3	2200 N / 100mm	Da ≤ 0.1 dB
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	Da ≤ 0.1 dB /km
Water Penetration	IEC 60794-1-22-F5C	sample=3m, water=1m	No water leakage after 24 hour

\* values for single-mode fibres, all optical measurements performed at 1550 nm.

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## Optical Characteristics

See the attached cabled optical fibre data sheet.

## Identification

### Fibre Colours

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

### Buffer Tube Colours

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

Fillers are Black.

### Sheath Colour:

The outer sheath colour is black.

### Sheath Marking:

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

PRYSMIAN FYCO TELECOM YYYY XXF G652D ADSS CABLE 200M SPAN XXXXM

## Logistic

### Packing:

Wooden drums with protection.

### Delivery Lengths:

Standard delivery length is 4km with a tolerance of  $\pm 3\%$ .