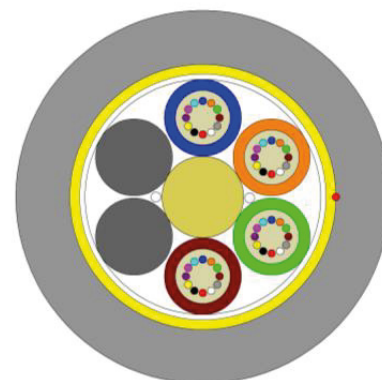


TD 24-428

12F 24F 48F 96F ADSS Single Jacket Span 200m

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 & yarns (dry core).
- **Peripheral reinforcement:** aramid yarns.
- **Outer Sheath:** HDPE. 1 ripcord beneath.



- not to scale -

Technical data

N° de Fibras	12, 24	48	96
Design (Elements x Fibers / Tube)	6x6	6x12	8x12
Loose Tube / Filler - Ø	2.1 mm	2.2 mm	2.2 mm
CSM/sheath diameter	2.3 mm	2.5 mm	2.7 / 3.9 mm
Outer sheath thickness	1.5 mm	1.5 mm	1.5 mm
Cable normal Diameter	10.0 mm	10.5 mm	11.8 mm
Cable Weight (±10%)	75 kg/km	82 kg/km	103 kg/km
Maximum span	200 m	200 m	200 m
Minimum sag	1.5 %	1.5 %	1.5 %
NESC conditions	-	NESC light	NESC light
Maximum installation tension	1200 N	1300 N	1700 N
Max. Operating tension	2700 N	3000 N	3500 N
Min. bending radius	Without Tension 10 x Ø del cable	Under Maximum Tension 20 x Ø del cable	153
Temperature range (°C)	Installation -10 → +60	Transport. & Storage -40 → +70	Operation -40 → +70

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

Características

Test	Standard	Value	Sanction*
Maximum installation tension	IEC 60794-1-2-E1	see above table	no visible fibre strain, $\Delta\alpha$ reversible
Max. Operating tension	IEC 60794-1-2-E1	see above table	fibre strain $\leq 0,2\%$, $\Delta\alpha$ reversible
Crush	IEC 60794-1-2-E3	1500 N / 100 mm	$\Delta\alpha < 0,1$ dB, cable integrity
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C.	$\Delta\alpha < 0,1$ dB/km.
Water Penetration	IEC 60794-1-2-F5C	sample=3m, water=1m	No water leakage after 24 hours

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

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

Loose Tube and filler Colours:

Tube 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

All fillers are black.

Sheath Marking:

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

**PRYSMIAN <year-month of manufacture> <fiber type x fiber count>
ADSS SPAN XXXM <length marking in meter>**

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4 km with a tolerance of $\pm 5\%$.

All measurements in accordance with ITU-T G650 recommendations

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All sizes and values without tolerance are reference values. Specification are for product as supplied by PrysmianGroup; any modification or alteration afterwards of product may give different result.

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