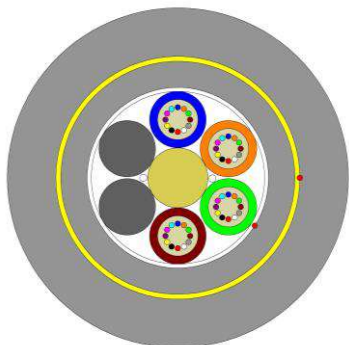


## ADSS Double Jacket Span 500m

### Cable Design

IEC/EN 60794-3-20



- not to scale -

- **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).
- **Inner Sheath:** PE. 1 ripcord beneath.
- **Peripheral reinforcement:** aramid yarns.
- **Outer Sheath:** HDPE. 1 ripcord beneath.

### Technical data

No. of Fibres		4, 8	6, 12, 24	36, 48, 72	96	144
Design (Elements x Fibers / Tube)		6x4	6x6	6x12	8x12	12x12
Loose Tube / Filler - Ø	mm		2.4	2.4	2.4	2.4
CSM/sheath diameter	mm		2.7	2.7	2.7/4.2	2.7/7.6
Inner Sheath thickness	mm		0.8	0.8	0.8	0.8
Outer sheath thickness	mm		1.5	1.5	1.5	1.5
Cable normal Diameter	mm		13.1	13.3	14.8	18.2
Cable Weight	kg / km		132	135	162	239
Maximum span	m			500		
Minimum sag	%			2.5		
NESC conditions	-			NESC light		
Maximum installation tension	N		3100	3200	3900	5800
Max. Operating tension	N		7400	7800	9000	11000
Min. bending radius	mm		Without Tension 10 x Cable-Ø		Under Maximum Tension 20 x Cable-Ø	
Temperature range	°C		Installation -10 -> +60;	Transport. & Storage -40 -> +70 ;		Operation -40 -> +70

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

### Main characteristics

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	2200 N / 100mm	$\Delta\alpha < 0.1$ 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

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

### Loose 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 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  $\pm 5\%$ .

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

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