

6-96F Single Jacket ADSS CABLE Span 120m

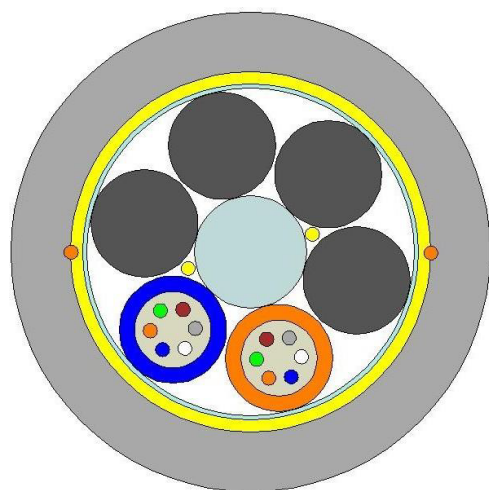
Draka

A Brand of Prysmian Group

TD 20-032

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. 2 ripcords beneath.

Technical data

No. of Fibres		6, 12, 24	48	96
Design (Elements x Fibers / Tube)		6x6	6x12	8x12
Loose Tube / Filler - Ø	mm	2.1	2.2	2.2
CSM/sheath diameter	mm	2.3	2.5	2.7/3.9
Outer sheath thickness min. average	mm	1.6	1.6	1.6
Cable normal Diameter	mm	10.2	10.6	12.0
Cable Weight	kg / km	80	82	105
Maximum span	m	120	120	120
Minimum sag	%	1.0	1.0	1.0
Maximum wind speed	Km/h	96	96	96
Maximum installation tension	KN	1.2	1.3	1.6
Max. Operating tension	KN	2.2	2.3	2.7
Min. bending radius	mm	Without Tension Tension 15 x Cable-Ø		Under Maximum 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 60794-1-21-E1	see above table	no visible fibre strain, Da reversible
Max. Operating tension	IEC 60794-1-21-E1	see above table	fibre strain £ 0.2%, Da reversible
Crush	IEC 60794-1-2-E3	2200 N / 100mm	Da < 0.1 dB, cable integrity
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	Da < 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 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 Colours

No.	1	2	3	4	5	6	7	8
Colour	blue	orange	green	brown	grey	white	red	black

Fillers are Black.

Sheath Marking

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

PRYSMIAN <year-month of manufacture> G.652D <fiber count>F 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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