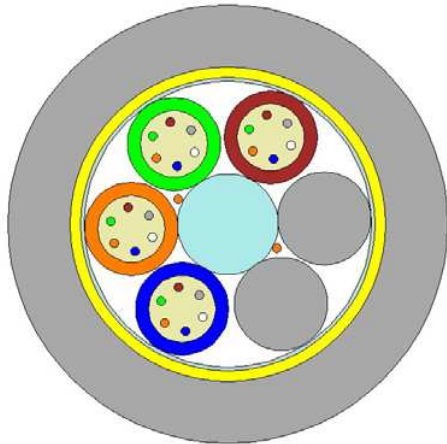


6F 12F 24F 36F 48F G652D ADSS Cable, 100m Span (1.5% SAG, NESC Light)

Cable Design

IEC/EN 60794-3-20



- not to scale -

- **Central strength member (CSM):** glass fibre reinforced plastic material (FRP).
- **Tube:** thermoplastic material, containing up to 8 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.

Technical data

No. of Fibres		6, 12, 24, 36		48
Design(element × fibre per tube)		6x6		6x8
Loose Tube / Filler - Ø nominal	mm	2.1		2.1
CSM/coating nominal diameter	mm	2.3		2.3
Outer sheath nominal thickness	mm	1.5		1.5
Cable nominal Diameter	mm	10.0		10.1
Cable Weight	kg / km	74		74
Maximum span	m			100
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 -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*
Max. working tension	IEC 60794-1-2-E1	2200N	no visible fibre strain, Δα reversible
Crush(short term)	IEC 60794-1-2-E3	2200 N / 100mm	Δα ≤ 0.1 dB
Temperature range	IEC 60794-1-2-F1	-20 -> +70°C	Δα ≤ 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. C06_en (G652D)

Identification

Fibre Colours

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

Buffer Tube Colours

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

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 YYYY XXF G652D ADSS CABLE 100M SPAN XXXXM

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 5km with a tolerance of $\pm 3\%$.

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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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