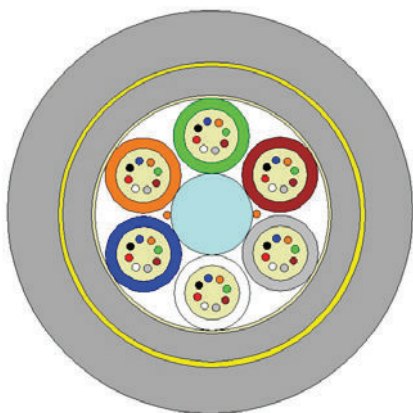


24F 48F 96F 144F 196F 288F G652D ADSS Cable, 80m Span

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

Technical data

No. of Fibres		24	48	96	144	196	288
Design (Element x 1 st layer Fibre/Tube)		6x4	6x8	8x12	12x12	6x12	9x12
	2 nd layer	-	-	-	-	12x12	15x12
Loose Tube / Filler - Ø	mm	2.0	2.2	2.4	2.4	2.4	2.4
CSM/sheath diameter	mm	2.2	2.5	2.7/4.2	2.7/7.6	2.7	2.7/5.0
Inner sheath thickness	mm	0.8	0.8	0.8	0.8	0.8	0.8
Outer sheath thickness	mm	1.5	1.5	1.5	1.5	1.5	1.5
Cable Diameter	mm	11.3	12.0	14.1	17.5	17.8	20.1
Cable Weight	kg / km	96	107	144	216	214	272
Maximum span	m	80	80	80	80	80	80
Minimum sag	%	1.0	1.0	1.0	1.0	1.0	1.0
Max allowable tension(MAT)	KN	2.5	2.8	3.3	4.0	3.7	4.4
Min. bending radius	mm	Without Tension 10 x Cable-Ø			Under Maximum Tension 20 x Cable-Ø		
Temperature range	°C	Installation +5 -> +60;		Transport. & Storage -40 -> +70 ;		Operation -10 -> +70	

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

Main characteristics

Test	Standard	Value	Sanction*
Crush	IEC 60794-1-2-E3	2200 N / 100mm	$\Delta\alpha \leq 0.05$ dB , cable integrity
Temperature range	IEC 60794-1-2-F1	-10 -> +70°C	$\Delta\alpha \leq 0.05$ 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

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
Tube No.	13	14	15	16	17	18	19	20	21	22	23	24
Tube Colour	blue	orange	green	brown	grey	white	red	black	yellow	violet	pink	aqua
Tracer Colour	black	black	black	black	black	black	black	white	black	black	black	black

Fillers are black.

Sheath Colour:

The inner and outer sheath colour is black.

Sheath Marking:

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

PRYSMIAN <year of manufacture> ADSS XXXF G652D <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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