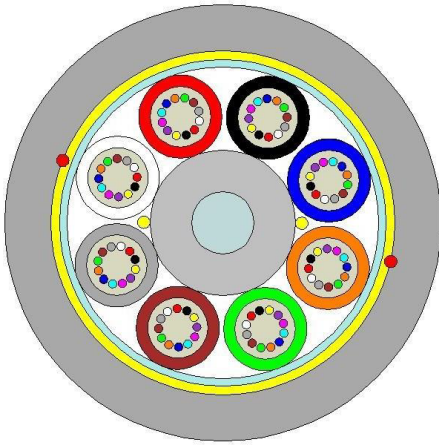


12F 24F 48F 96F 144F ADSS Cable, 200m Span (1.5% SAG, NESC Light)

TD 20-039

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 (dry core).

Peripheral reinforcement: aramid yarns.

Outer Sheath: HDPE. 2 ripcords beneath.

Technical data

No. of Fibres		12,24	48	96	144
Design(element × fibre per tube)		6x6	6x12	8x12	12x12
Loose Tube / Filler - Ø nominal	mm	2.2	2.4	2.4	2.4
CSM/coating nominal diameter	mm	2.5	2.7	2.7/4.2	2.7/7.5
Outer sheath nominal thickness	mm	1.5	1.5	1.5	1.5
Cable nominal Diameter	mm	10.6	11.1	12.7	15.9
Cable Weight	kg / km	8	93	116	180
Maximum installation tension	N	1300	1500	1900	3000
Max. Operating tension	N	3000	3300	3800	5000
Maximum span	m	200			
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

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

Main characteristics

Test	Standard	Value	Sanction*
Max. installation tension	IEC 60794-1-2-E1	see above table	no visible fibre strain, Da reversible
Max. Operating tension reversible	IEC 60794-1-2-E1	see above table	fibre strain ≤ 0.2%, Da
Crush(short term)	IEC 60794-1-2-E3	2200 N / 100mm	Da ≤ 0.1 dB
Temperature range	IEC 60794-1-2-F1	-40 -> +70°C	Da ≤ 0.1 dB /km
Water Penetration	IEC 60794-1-22-F5C	sample=3m, water=1m	No water leakage after 24 hour

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

12F 24F 48F 96F 144F ADSS Cable, 200m Span (1.5% SAG, NESC Light)

TD 20-039

Draka

A Brand of Prysmian Group

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

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 FYCO TELECOM YYYY XXF G652D ADSS CABLE 200M SPANXXXXM

Logistic

Packing:

Wooden drums with protection.

Delivery Lengths:

Standard delivery length is 4km with a tolerance of $\pm 3\%$.

© PrysmianGroup 2020, All Rights Reserved

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.

The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of PrysmianGroup. The information is believed to be correct at the time of issue. PrysmianGroup reserves the right to amend this specification without prior notice. This specification is not contractually valid unless specifically authorised by PrysmianGroup.

Consulte nuestro directorio de ejecutivos comerciales en <https://co.prysmiangroup.com/es/contact-us>