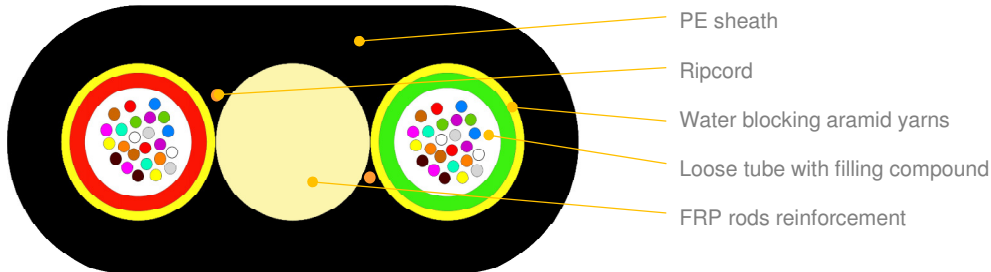


Type:	AERO DDF03-S	REV:2.3
Issued:	11/03/2016	MM
Modified:	29/12/2020	KP

Flat Drop Optical Cable AERO DDF03-S up to 48 fibers



*not to scale

APPLICATION:

For installation on poles or walls
Can be installed in pipelines
Fully dielectric cable
For installation along power lines with an operation voltage below 150 kV and producing space potential below 4 kV.

STRUCTURE AND COMPOSITION:

Loose (PBT) with filling compound
Up to 24 fibres in a central tube
FRP strength element
Aramid yarns as strain relief and water absorbent
Ripcord yarns for easy sheath removal
PE UV resistant sheath

CABLE VARIANTS

Variant	AERO DDF03-S
Fibre count [pcs]	4-48
Central tube diameter [mm]	2,3
Cable dimensions [mm]	9,3 x 4,8 (typically ±0,3 max 9,7 x 5,3)
Cable weight [kg/km]	50
Max. operational tension [N]	500
Max allowable tension [N]	1800

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS (ALL VARIANTS)

Crush performance	5000 [N/10 cm]	IEC 60794-1-21-E3, attenuation ≤ 0.05 dB, no damage
Bending performance	20 x D (10 cycles)	IEC 60794-1-21-E6, attenuation ≤ 0.05 dB, no damage
Water penetration	3m sample, 1m head, 24h	IEC 60794-1-22-F5, no leakage
Temperature range:		IEC 60794-1-22-F1, attenuation ≤ 0.05 dB/km
	Installation	-15... +55 [°C]
	Operation	-40... +70 [°C]
	Transport & Storage	-40... +70 [°C]

APPLICATION AND CABLE SPAN CHARACTERISTIC

Loading Conditions	Span	Installed Sag (1,5%)	Tension	Total sag	Horizontal sag	Vertical sag
	[m]	[m]	[N]	[m]	[m]	[m]
NSC Light	135	2,1	1800	5,1	4,8	1,6
NSC Medium	80	1,2	1800	3,2	2,0	2,5
NSC Heavy	45	0,7	1800	1,9	1,0	1,7

OPTICAL FIBRE AND LOOSE TUBES COLOUR IDENTIFICATION

For optical fibres and loose tube identification information please see DSH_Colors_CODE_XXXX document.

FIBRE PARAMETERS

For selected post-production optical fibres parameters please see DSH_OFPP document.

Type:	AERO DDF03-S	REV:2.3
Issued:	11/03/2016	MM
Modified:	29/12/2020	KP

MARKING

The following print (inkjet, laser or other suitable method) is applied at 1-meter intervals:

- Supplier: FIBRAIN
- Standard Code (Product Type, Fibre Type, Fibre Count)
- Year of manufacture: xxxx
- Length marking in meters
- Cable ID/ Drum No

Example: FIBRAIN AERO DDF03-S 24F SM G652D 2T12F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is $\pm 0.5\%$. Remarking is in accordance with Bellcore GR 20 and supersedes earlier markings. Occasional loss of marking is possible. Cables can be supplied with a range of single mode or multimode fibres and customized print.

PACKAGING

Cables will be shipped on disposable wooden or treated wooden drums. Both ends of the cable will be capped and accessible for testing. Rotation direction arrow will be marked on the drum together with identification information.

DELIVERY LENGTH

2000 – 8000 meters $\pm 5\%$, with possibility of supplying up to 5% of total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of order quantity shall be allowed.

This document and the statements contained in it are not intended for customers within the meaning of the Civil Code. The information submitted in this document is to our knowledge and belief true at the time of issue, however, we do not assume any liability whatsoever for its accuracy, and completeness. This document is for informational purposes on an "as is" basis only and Fibrain reserves the right to change its contents at any time without prior notice. The specification cannot, in any case, be considered an offer within the meaning of the Civil Code and is not contractually valid unless specifically authorized by Fibrain. Before using this product, its buyer and/or user has to make sure that it is suitable for the intended use. All liability issues related to this product are subjected to the seller's separate Terms of Sale or the terms and conditions agreed with the Fibrain representative or distributor.