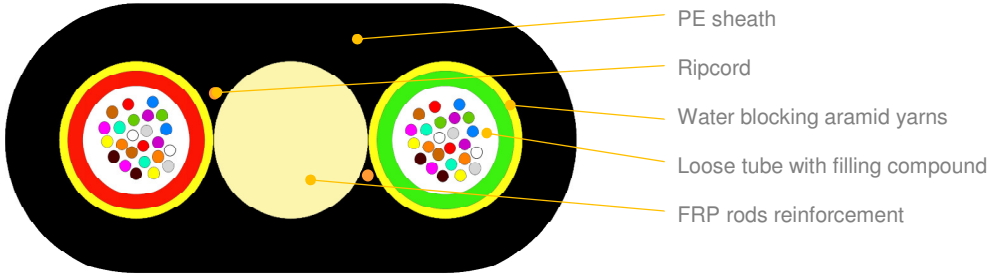


Type:	AERO DDF03-S	REV:2.1
Issued:	11/03/2016	MM
Modified:	28/01/2019	AM

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

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 60794-1-2-E3, attenuation ≤ 0.05 dB, no damage
Bending performance	20 x D (10 cycles)	IEC 60794-1-2-E6, attenuation ≤ 0.05 dB, no damage
Water penetration	3m sample, 1m head, 24h	IEC 60794-1-2-F5, no leakage
Temperature range:		IEC 60794-1-2-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

Colours identifications see DSH_Colors_CODE_XXXX

FIBRE PARAMETERS

Fibres parameters values see DSH_OFFP

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MARKING

The following print (jet printer) is applied at 1-meter intervals.

- Supplier: FIBRAIN
- Standard Code (Product Type, Fibre Type, Fibre Count): Aero DDFxx xx F
- 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.