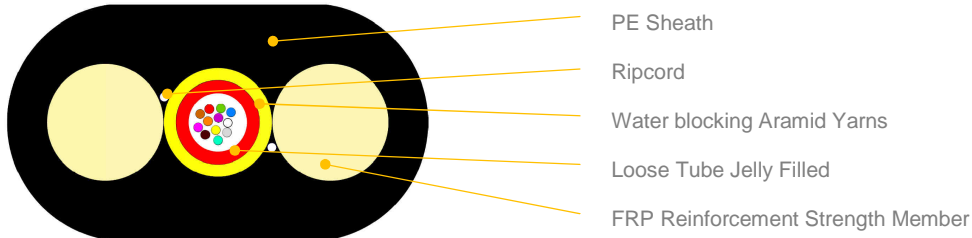


Type:	AERO DF04	REV: 1
Created:	07/08/2014	SK
Modified:		

Flat Drop Optical Cable AERO DF04 up to fibers



*not in scale

APPLICATION:

For installation on poles or walls in distances up to 70 m
Can be installed in pipelines
Fully dielectric cable

STRUCTURE AND COMPOSITION:

Loose tube jelly filled (PBT)
Up to 12 fibers in a cable
Two FRP and Aramid Yarns as strength elements
Dry Aramid yarns to prevent moisture into cable
Ripcord Yarns For easy sheath removal
PE UV resistant Sheath

CABLE VARIANTS

Variant	AERO DF04
Fiber count	1-12
Cable dimensions [mm]	9.2 x 4,8 (±3%)
Cable weight [kg/km]	51
Max. operational tension [N]	1400
Max Allowable Tension [N]	3400
Breaking Strength [N]	10600
Modulus [GPa]	16
Max span m@ sag %@ Wind 50 km/h, Ice radial 8 mm	70 @ ≥1

MECHANICAL AND ENVIRONMENTAL CHARACTERISTICS (ALL VARIANTS)

Crush performance	5000N [N/10 cm]	EN 187101, IEC 60794-1-2-E3, attenuation ≤ 0.05 dB, no damage
Bending performance	10 [cycles (20 x D)]	EN 187101, IEC 60794-1-2-E11, attenuation ≤ 0.05 dB, no damage
Water penetration	3m sample, 1m head, 24h	IEC 60794-1-2-F5, no leakage
Temperature range:		
Installation	-10... +50 [°C]	EN 187101, IEC 60794-1-2-F1, attenuation ≤ 0.05 dB
Operation	-40... +70 [°C]	
Transport & Storage	-40... +70 [°C]	

OPTICAL FIBER AND LOOSE TUBES COLOR IDENTIFICATION

The colors of identifications see on **DSH_Colors_CODE_XXXX**

FIBER PARAMETERS

The value of characteristic fibers parameters see on **DSH_OFF**

MARKING

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

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

Example: FIBRAIN AERO DF04 4F SM G652D 1T4F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is ± 0.5%. Occasional loss of printing and remarking is in accordance with Bellcore GR 20 and supersedes earlier markings. Cables can be supplied with a range of single mode or multimode fibers and customized printing.

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PACKAGING

The cables will be shipped on disposable wooden or treated wooden drums. The inner and outer ends of the cable will be capped and made accessible for testing. A direction of rotation arrow is marked on the drum together with the identification information.

DELIVERY LENGTH

2000 – 6000 meters \pm 5%, with an allowance of supplying a maximum of 5% of a total contract quantity as short length cables which should be above 1000 meters long. Tolerance of 5 % of on Order Quantity shall be allowed.

The information is believed to be correct at the time of issue. Fibrain reserves the right to change this specification without prior notice. This specification is not contractually valid unless specifically authorised by Fibrain. Buyer and/or user of this product has to make sure before using this product that it is suitable for the intended use. All questions of liability relating to this product are subject – in accordance with the prevailing – to the Terms of Sale of the selling Fibrain subsidiary.