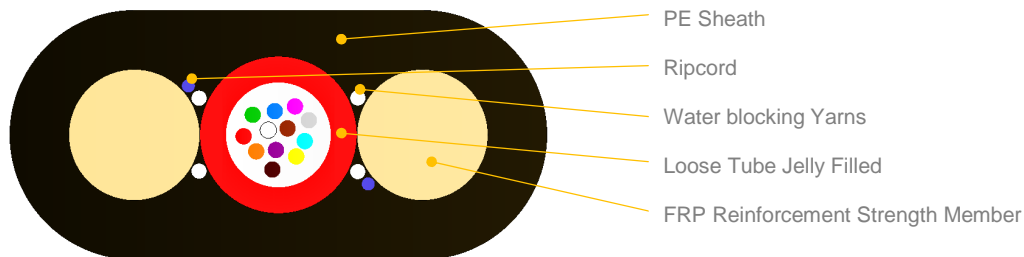


Type:	AERO DF03	REV: 5
Created:	26/06/2014	SK
Modified:		

## Flat Drop Optical Cable AERO DF03 up to 24 fibers



\*not in scale

### APPLICATION:

For installation on poles or walls  
Can be installed in pipelines  
Fully dielectric cable

### STRUCTURE AND COMPOSITION:

Loose tube jelly filled (PBT)  
Up to 24 fibers in a cable  
Two FRP strength elements  
Dry yarns to prevent moisture into cable  
Ripcord Yarns For easy sheath removal  
PE UV resistant Sheath

### CABLE VARIANTS

Variant	AERO DF 03	AERO DF 03
Fiber count	1-12	16-24
Cable dimensions [mm]	8,3 x 4,6 (±3%)	8,7 x 5,0 (-3%)
Cable weight [kg/km]	37	38
Breaking Strength [N]	9 200	9200

### 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]	

### APPLICATION AND CABLE SPAN CHARACTERISTIC

Loading Conditions	Span [m]	Installed Sag (2%) [m]	Force [N]	Total Sag [m]
NSC Light	120	2,4	1494	4,1
NSC Medium	70	1,6	1630	2,6
NSC Heavy	40	0,8	1760	1,54

### 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\_OFP**

### 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

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Example: FIBRAIN AERO DF03 6F SM G652D 1T6F "YEAR OF MANUFACTURE" "LASER SYMBOL" "LENGTH MARKING" "BATCH NUMBER"

The accuracy of marking is  $\pm 0.5\%$ . 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.

## 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.