

DRAKO DOC006 - Flat Drop Cable, Direct Connect

Overview

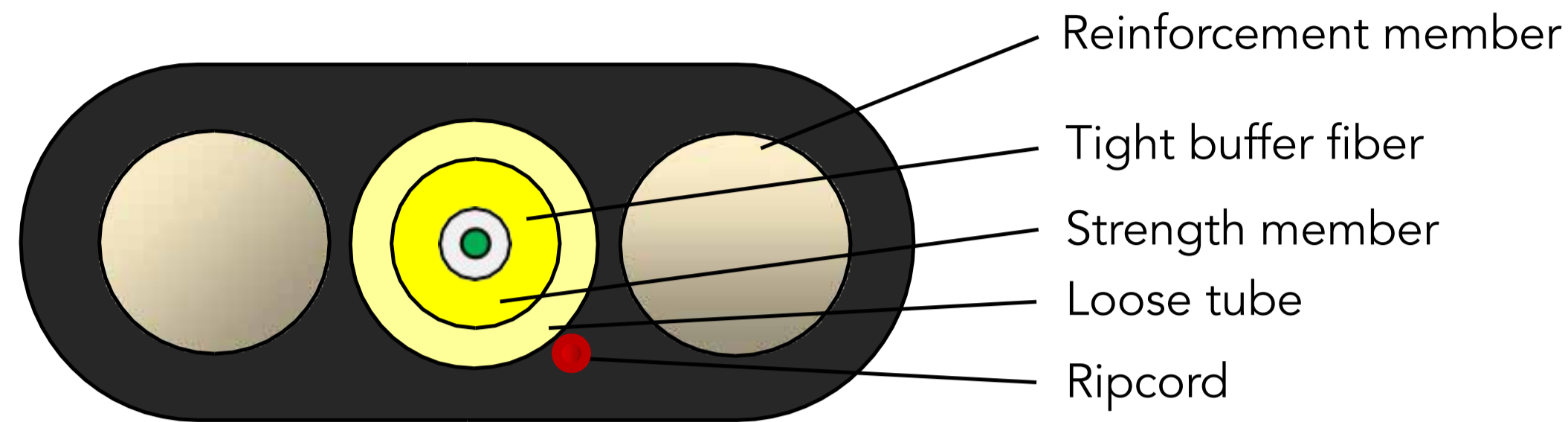
DRAKO Model No. DOC006 Flat drop cable design for FTTx solution and to be used in duct or aerial application.



Dimension and descriptions

Item	Contents	Value
Optical fiber	Type	G.657A1
	Color	Nature
Tight buffer fiber	Diameter(mm)	0.9±0.5
	Color	White
Sub-unit Cable	Material	PVC
	Diameter (mm)	2.0±0.1
	Color	White
Strength member(FRP)	Diameter (mm)	1.2*2
Ripcord	Color	Red
Outer sheath	Material	MDPE
	Color	Black
Cable diameter	6.3*3.2 (±0.2mm)	
Cable weight	Approx. 27kg	

Cross section of cable



Optical fiber

Items	Description	
	Before cable	After cable
atten.1310	$\leq 0.35\text{dB/km}$	$\leq 0.36\text{dB/km}$
atten.1383	$\leq 0.35\text{dB/km}$	$\leq 0.36\text{dB/km}$
atten.1550	$\leq 0.21\text{dB/km}$	$\leq 0.22\text{dB/km}$
atten.1625	$\leq 0.23\text{dB/km}$	$\leq 0.24\text{dB/km}$
Cable cut-off wavelength	$\leq 1260\text{ nm}$	
Zero-dispersion wavelength	1300 ~ 1324 nm	
Zero-dispersion slope	$\leq 0.091\text{ ps}/(\text{nm}^2 \cdot \text{km})$	
Mode field diameter	@ 1310 nm 8.8~9.6 μm	
Core/Clad concentricity error	$\leq 0.6\mu\text{m}$	
Cladding diameter	$125 \pm 1.0\mu\text{m}$	
Cladding non-circularity	$\leq 1.0\%$	
Primary Coating diameter	$245 \pm 7\mu\text{m}$	
Macro-bend induced attenuation		
20mm radius, 1 turn	$\Delta \leq 0.01\text{dB}$ @1550nm	
30 mm radius, 10 turn	$\Delta \leq 0.1\text{dB}$ @1550nm	
100mm radius, 50 turns	$\Delta \leq 0.05\text{ dB}$ @1550nm	

Mechanical and Environmental Characteristics

Items	Descriptions	
Tensile Strength (IEC 60794-1-2 E1)	short-term	800N
	long-term	300N
Crush (IEC 60794-1-2 E3)	short-term	1500N/100mm
	long-term	1000N/100mm
Temperature Range (IEC 60794-1-2 F1)	Storage/Operation	-20 +70
	Installation	-5 +60
Bending Radius	Static	20D
	Dynamic	30D

Packaging and drum

Cable Sheath Marking Color: white

Contents: DRAKO, the year of manufacture, the type of cable, cable number, length marking Interval: 1 m

Outer sheath marking legend can be changed according to user's requests.

Reel length

Cable drum

Standard reel length: 1/2 km/reel, other length is also available.

The cables are packed in Plywood or fumigated wooden drums