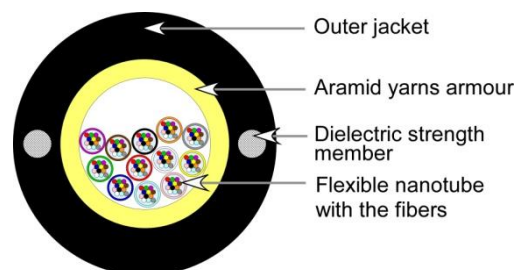


FOC MT nL KA+2FRP - Fiber Optic Cable / Multi Tube / nanoLoose Tube Structure / Aramid Armour +2FRP



Image: 144 fo cable



Structure & composition

Optical fibers (Nominal diameter 250 μ m)
Nanotubes fully dry with optical fibers (Φ =1,4mm).
Waterblocked "cable core" through the use of water-swella-
ble elements.
Black HDPE outer jacket .
Two Non metallic peripheral strength members embedded in the
jacket.

Specifications

Description & applications

Cable specially designed to ease mid-span access, letting to leave the
desired nanotubes and the rest in continuity.
Suitable for duct or stapled on wall.
The rigidity due to the rods embedded in the jacket avoids bends during
blowing installation and excessive buckling of the cable.
High tensile strength and crush resistance.

Fibers cable no. >	144	288	Standard
Tubes no. >	12	24	
Fibers per tube >	12	12	

Units

Nominal outer diameter	mm	11,5	14	
Nominal weight	Kg / Km	100	140	
Minimum bend radius *	mm	15x Φ	15x Φ	IEC 60794-1-E10
Tensile strength *	N	2000	2600	IEC 60794-1-E1
Max. allowable strength during installation	N	2800	3600	IEC 60794-1-E1
Crush resistance *	N / cm	200	200	IEC 60794-1-E3
Operating temperature range *	°C	-30/+75	-30/+75	IEC 60794-1-E1

* The attenuation in a given wavelength range does not exceed the attenuation of the reference wavelength (λ) by more than 0.05 dB/Km

Cable options

For this general datasheet ,fibers number and type type must be chosen.

Fibers no.	Fiber type
144	9/125 Single mode fiber ITU-T G.652D
288	62.5/125 Single mode fiber ITU-T G.657A1
	50/125 Single mode fiber ITU-T G.657A2
	OM3 Multimode fiber TIA/EIA 492AAAC
	G655 Non-zero dispersion-shifted ITU-T G.655

Colour code

Optical fibers and tubes colour coding is as follows:

1-red	2-blue	3-green	4-yellow	5-violet	6-white	7-orange	8-grey	9-brown	10-black	11-turquoise	12-pink
-------	--------	---------	----------	----------	---------	----------	--------	---------	----------	--------------	---------

Tubes 13 to 24 are same colour code that the first twelve but with black dots. In tube no. 22 (black) dots are white.

Nomenclature / Cable reference

Complete reference
FOC MT nL KA+2FRP D PE 288 OF G657A1

Main Family
FOC MT nL KA+2FRP

Core
D

Jacket
PE

Fibers no.
288

Fiber type
G657A1

Dry core

Polylethylene jacket

Fiber Optic Cable Multi Tube nanoLoose Tube Structure Armored with Aramid and with 2FRP.