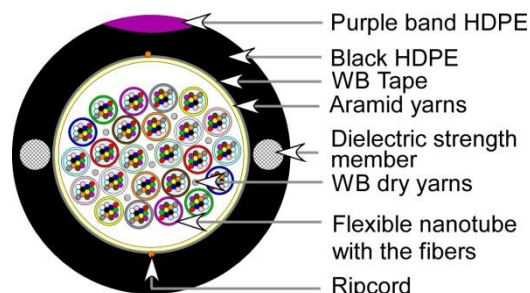


FOC MT nL KA+2FRP - Fiber Optic Cable / Multi Tube / nanoLoose Tube Structure / Aramid Armour +2FRP



Image: 288 fo cable



Structure & composition

Optical fibers (Nominal diameter 250 μm)
Dry nanotubes with optical fibers ($\Phi=1,5\text{ mm}$).
Waterblocked "cable core" through the use of dry water-swella-ble elements.
Water blocking tape wrapping the cable core.
HDPE outer jacket . Black color with a purple band.
Two Non metallic peripheral strength members embedded in the jacket.($\Phi=1,3\text{ mm}$).

Description & applications

Cable specially designed to ease mid-span access, letting to leave the desired nanotubes and the rest in continuity.
Suitable for duct, stapled on wall or aerial applications with spans up to 40 m.
This 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.

Specifications

	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	15 x Φ cable		IEC 60794-1-E10
Tensile strength *	N	2200		IEC 60794-1-E1
Max. allowable strength during installation	N	2800		IEC 60794-1-E1
Crush resistance *	N / cm	200		IEC 60794-1-E3
Operating temperature range *	$^{\circ}\text{C}$	-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 ,number of fibers and type must be chosen.

Fibers no.	Fiber type
144	G652D Single mode fiber ITU-T G.652D
288	G657A1 Single mode fiber ITU-T G.657A1
	G657A2 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 :

1-red	2-blue	3-green	4-yellow	5-violet	6-white	7-orange	8-grey	9-brown	10-black	11-turquoise	12-pink
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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	Main Family	Core	Jacket	Fibers no.	Fiber type
FOC MT nL KA+2FRP D HDPE 288 OF G657A1	FOC MT nL KA+2FRP	D	HDPE High density polyethylene jacket	288	G657A1
Fiber Optic Cable Multi Tube nanoLoose Tube Structure Armored with Aramid and with 2FRP.					