

## MICROCABLE - CFOA-DMD-S (ABNT CL)- DIELECTRIC FOR MICRODUCTS

Construction	ROHS Compliant
	Dielectric
	Dry core
	Loose tube
	SM y BLI

**Description** Dielectric optical cable with singlemode or multimode fiber, covered with acrylate resin, placed in jelly filled loose buffer tube, stranded around a dielectric central member. The cable core is protected with water blocking material, reinforced with synthetic fibers and covered with black polyethylene external sheath.

**Installation Environment** Outdoor

**Operation Environment** For Duct

**Standard** ITU-T G.657  
 - ITU-T G.652  
 - ABNT NBR 16608  
 - ANATEL Resolução 299.

**Certifications** Anatel

**Optical Characteristics** According to ET2000

**Fiber Coating** Optical fiber with an acrylate coating.

Fiber Identification	Fiber	Color	Fiber	Color
		01	Green	13
	02	Yellow	14	Yellow*
	03	White	15	White*
	04	Blue	16	Blue*
	05	Red	17	Red*
	06	Violet	18	Violet*
	07	Brown	19	Brown*
	08	Rose	20	Rose*
	09	Black/Natural	21	Natural*
	10	Slate	22	Slate*
	11	Orange	23	Orange*

12	Acqua	24	Acqua*
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\* For the fibers 13 to 24 it is recorded throughout its length rings of color that permits its differentiation from other fibers.

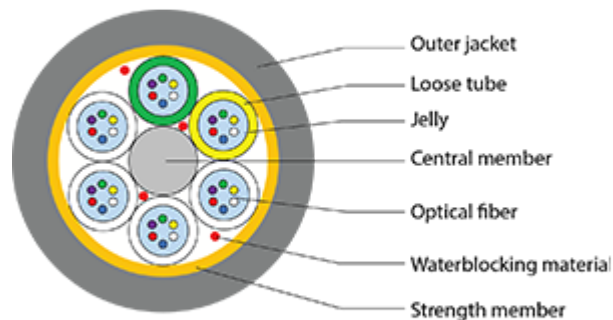
Basic Unit Identification	Buffer	Color
	01	Green
	02	Yellow
	03	White
	04	Blue
	05	Red
	06	Violet
	07	Brown
	08	Rose
	09	Black/Natural
	10	Slate
	11	Orange
	12	Acqua

**Buffer Tube** The optical fibers are grouped together and protected by a jelly filled tube of thermoplastic material in order to prevent humidity and provide mechanical resistance to the fibers.

**Central Member** Dielectric-material element located in the center of the core cable to prevent the efforts of the cable tension. As central member, it is applied a bar of plastic material reinforced by FRP (Fiber Reinforced Plastic) fiberglass.

**Strength member** Dielectric yarns must be applied around cable core to support traction tensions.

**Cross Section**



**Dimension**

Fiber Count	Buffer Fiber Count	Outer Diameter (±0.2mm)	Weight (kg/km)	Microduct - $D_{ext}/D_{int}$ (mm)
até 72	12	6,2	30	12/10 ou 14/10
96 a 144	24	8,0	50	12/10 ou 14/10
288	12	11,0	70	18/14

**Marking**

Each length of cable shall be marked as described below, shall be clear, in relief or white color on the outer jacket at intervals of 1 meter.

**FURUKAWA CFOA-x-DMD-S yF month/year "Client" ANATEL "n° of certificate" nL (\*\*)**

Where:

X = Fiber type

y = Fiber amount

Month/year = Month and year of manufacturing

(\*\*) = Sequential length xxxxxx m

nL = Lot number

**Package Type**

Wooden reel

**Standard Length**

Cable length per reel: 4000m

Tolerance ± 1%

**Observations**
[Codification](#)