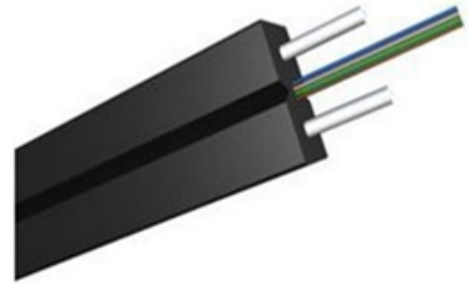


Aurora AFOC-DRST-12C Fiber Optic Cable
Aurora AFOC-DRST-24C Fiber Optic Cable

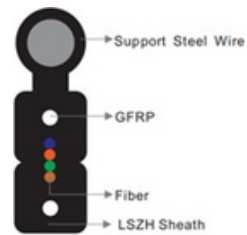
- ▶ 1-2 Fibers option
- ▶ Completely dry design
- ▶ Enforced with Steel Strength Member
- ▶ Steel Messenger Wire
- ▶ Halogen free
- ▶ Non-corrosive fire gases



SPECIFICATIONS

- | | |
|--------------------------|-------------------|
| 1. Fiber | SM (250 μ) |
| 2. Strength Member | G-FRP |
| 3. Messenger Wire | 0.9 mm Steel wire |
| 4. Outer Jacket | LSZH |

CABLE CONSTRUCTION



STRUCTURE SPECIFICATION

Fiber count	1-2	4
Color code of the fiber	Natural/Blue, orange, green, brown	
Strength Member	2 * 0.5 mm G-FRP	
Messenger wire	0.9 mm Steel wire	
Jacket material	Non-flame LSZH	
Jacket color	Black	
OD of cable (mm)	2.0 x 5.0 ± 0.1	
Net weight (kg/km)	19	
Max. tensile loading (N)	600	

OPTICAL CHARACTERISTICS

ITEMS	UNIT	SPECIFICATION	
Fiber type		G652D	G657A
Attenuation	dB/km	1310 nm \leq 0.34, 1550 nm \leq 0.2	
Chromatic dispersion	ps/nm.km	1310 nm \leq 3.6, 1550 nm \leq 18, 1625nm \leq 22	
Zero dispersion slope	ps/nm ² .km	\leq 0.092	
Zero dispersion wavelength	nm	1300 ~ 1324	
Cut-off wavelength (cc)	nm	\leq 1260	
Attenuation vs. Bending (60 mm x100 turns)	dB	(30 mm radius, 10 ring)	(15 mm radius, 1 ring)
		\leq 0.1 @1625 nm	\leq 1.0 @ 1625 nm
Mode field diameter	nm	9.2 x 0.4 @ 1310 nm	(8.6 - 8.8) x 0.4 @ 1310 nm
Core-clad concentricity	nm	\leq 0.5	
Cladding diameter	nm	125 \pm 0.7	
Cladding non-circularity	%	\leq 0.8	
Coating diameter	nm	245 \pm 7	
Proof test	Gpa	\geq 0.69	

FIBER OPTIC CABLE BENDING RADIUS

- ▶ Static bending: \geq 10 times than cable out diameter
- ▶ Dynamic bending: \geq 20 times than cable out diameter