

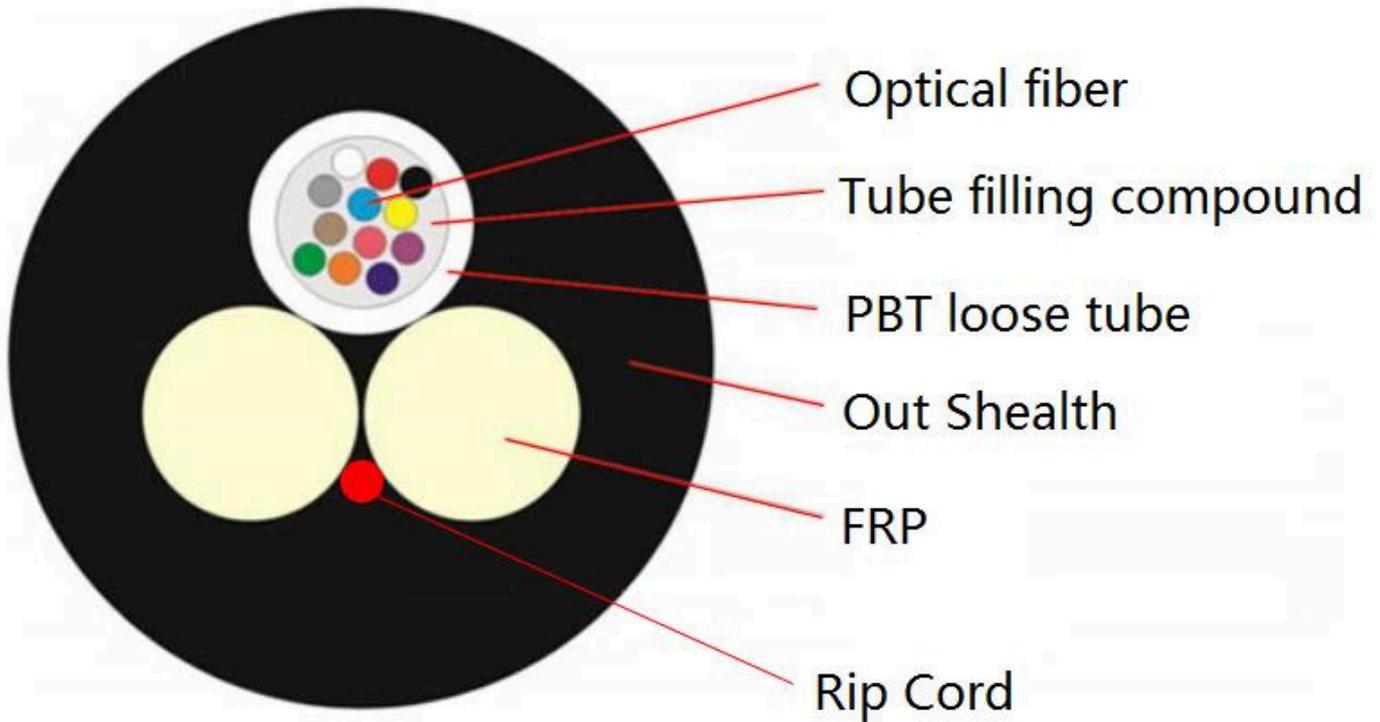


FICHA TÉCNICA

CFOA-SM-ASU-80-S 12FO

CFOA-SM-ASU-80-S (2-12) FO

Cable cross-section and dimensions



Item	Material	Description
Outer sheath	HDPE	Out sheath
Strength member	1.5mm FRP	Strength member
Loose tube	2.0mm PBT	Color with: Nature
Fiber	G.652D Fiber	UV fiber, color with: green, yellow, white, blue, red, violet, brown, pink, black, grey, orange, aqua

Cable Cores	Unit	2	4	6	8	10	12
No. of Tubes	Pcs	1	1	1	1	1	1
No. of Fillers	Pcs	0	0	0	0	0	0
Fiber Counts in Tube	Pcs	2	4	6	8	10	12
Cable Diameter	mm	6.5±0.3					
Cable Weight	Kg/km	37±2					
Allowable tensile strength (N)					span=80M, 1.5×P		
Allowable crush resistance (N)					1000N		
Operation temperature					-20°C+65°C		

1. Fiber Performance

G652.D Fiber

Characteristics		Acceptance Value
Attenuation	@1310nm	$\leq 0.36\text{dB/km}$
	@1550nm	$\leq 0.22\text{dB/km}$
Mode Field Diameter	@1310nm	$9.3\pm 0.5\mu\text{m}$
	@1550nm	$10.4\pm 0.8\mu\text{m}$
Dispersion	@1285-1330nm	$\leq 3.5\text{ps}/(\text{nm}\cdot\text{km})$
	@1525-1570nm	$\leq 18\text{ps}/(\text{nm}\cdot\text{km})$
PMD		$\leq 0.15\text{ps}\cdot\text{km}^{1/2}$
Cable cutoff wavelength $\lambda_{cc}(\text{nm})$		$\leq 1270\text{nm}$
Zero-Dispersion wavelength		$1300\text{nm}\sim 1324\text{nm}$
Zero-Dispersion slope		$\leq 0.092\text{ps}/(\text{nm}^2\cdot\text{m})$
Cladding diameter		$125\pm 1\mu\text{m}$
Cladding non-circularity		$\leq 0.8\%$
Core/cladding concentricity error		$\leq 0.6\mu\text{m}$
Proof Test		$\geq 0.7\text{GPa}$ (100kpsi)
Dynamic fatigue		≥ 20
Point discontinuity		$\leq 0.05\text{dB}$
Attenuation uniformity		$\leq 0.05\text{dB/km}$