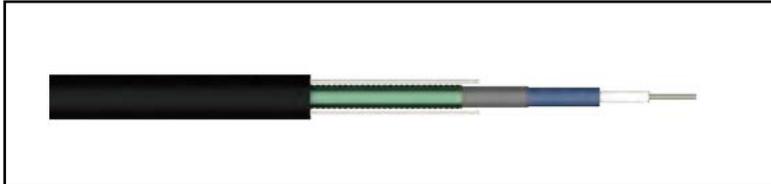




Outdoor Unitube Single-armored Optical Fiber Cable

Drawing



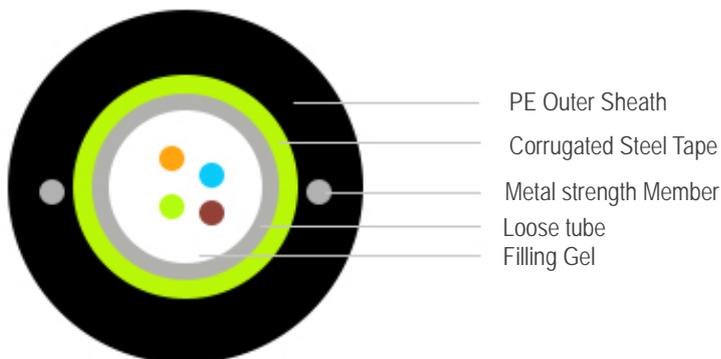
Description

The Fibers, 250um, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. The tubes wrapped with a layer of PSP longitudinally. Between the PSP and the loose tube water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the steel tape. The cable is completed with a polyethylene (PE) sheath.

Features & Benefits

- SM or MM optical fiber performance exceed the standard
- Excellent mechanical and temperature performance
- Two parallel steel wires to offer good tensile strength
- PSP improves the moisture penetration resistance performance
- Jelly filled both in and out of the loose tube for water blocking performance
- Excellent ultraviolet prevention with PE sheath

Technical Drawing



Compliance & Standards

- ISO/IEC 11801
- ITU-T G.651/G.652
- IEC 60793-1
- IEC 60793-2
- IEC 60794-1
- IEC 60794-2

Applications

- Duct /Aerial (Not self-supporting)
- Direct Buried



Outdoor Unitube Single-armored Optical Fiber Cable

Product Specification

Fiber Type	G.652D/OM1/OM2/OM3/OM4	
Fiber Core	2-12	
Loose Tube	Material	PBT
Strength Member	Steel Wire	
Armor	PSP	
Sheath	Material	PE
	Color	Black

Optical Performance

Fiber Type		G.652D	OM2/OM3/OM4
Attenuation(+20°C)	@ 850nm	/	≤3.0 dB/km
	@1300nm	/	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	/
	@1550nm	≤0.22 dB/km	/
Cable Cut-off Wave Length (λ cc)		≤1260nm	/

Mechanical Performance

Fiber Amount Core	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short Term Term (N)	Crush Resistance Long/Short Term (/100mm)	Bending Radius Static/Dynamic (mm)
2-12	8.0±0.2	61	600/1500	300/1000	10D/20D

Ordering Information

Part No.	Product Name	Description
FCOUNJWP-xy	Outdoor Unitube Optical Fiber Cable	Metal CSM, Single-armored, PE Sheath, y Fiber, x Cores

x=Fiber Number (1=1 core, 2=2 cores, 4=4 cores....., 48=48 cores)

y=Fiber Type (S2=G.652D, A1=G.657A1, A2=G.657A2, M1=OM1, M2=OM2, M3=PM3, M4=OM4)