



Outdoor Unitube Double-armored Optical Fiber Cable

Drawing



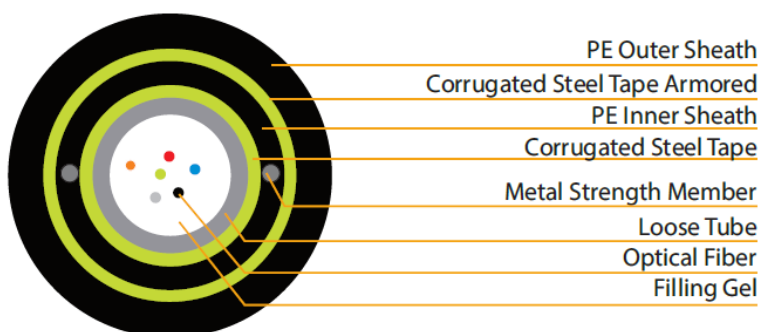
Description

The fibers, 250um, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with 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
- Double-armored design for harsh environments

Technical Drawing



Compliance & Standards

- ISO/IEC 11801
- ITU-T G.651/G.652
- IEC 60793-1
- IEC 60793-2
- IEC 60794-1
- IEC 60794-3

Applications

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



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Product Specifications

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

Technical Parameters

Fiber Amount Core	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius Static/Dynamic mm
2-12	12.6±0.2	170	1000/3000	1000/3000	12.5D/25D

Transport/Storage/Operating Temperature: -40°C~+70°C.



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Ordering Information

Part No.	Product Name	Description
FCOUUNJWP1-xy	Outdoor Unitube Optical Fiber Cable	Metal CSM, Double-armored, Double PE Sheaths, y Fiber, x Cores

x=Fiber Number (2=2 cores, 4=4 cores....., 12=12 cores)

y=Fiber Type (S2=G.652D, M1=OM1, M2=OM2, M3=OM3, M4=OM4)