



Outdoor Multitube Optical Fiber Cable, Single-armored, Double Sheaths

Drawing



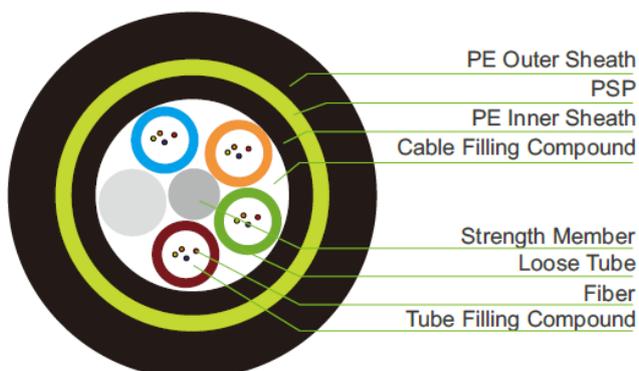
Description

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. FRP/Steel Wire locates in the center of core as a non-metallic strength member. The tubes (and fillers) are stranded around the strength member into a compact and circular core. After the cable core is filled with filling compound to protect it from water in gross, the cable is completed with a PE sheath.

Features & Benefits

- SM or MM optical fiber performance exceed the standard
- Steel or FRP CSM Available
- PSP improves the moisture penetration resistance performance
- Water-blocking compound/material filled both in and out of the loose tube
- Excellent ultraviolet prevention with PE sheath
- Single-armored and double-sheath design for harsh environment

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	2-144	
Loose Tube	Material	PBT
	Max. Fiber per Tube	6/8/12
Central Strength Member	≤ 72 core	Steel Wire/FRP
	> 72 core	Steel Wire + PE/FRP + PE
Inner Sheath	Material	PE
	Color	Black
Armor	Steel Tape (PSP)	
Outer 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	/



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Mechanical Performance

Fiber Amount Core	Max. Core per Tube	Structure	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
2-36	6	1+6	11.4±0.2	132	1000/3000	1000/3000	12.5D/25D
38-60	12	1+5	12.0±0.2	146	1000/3000	1000/3000	12.5D/25D
62-72	12	1+6	12.5±0.2	157	1000/3000	1000/3000	12.5D/25D
74-84	12	1+7	13.1±0.2	163	1000/3000	1000/3000	12.5D/25D
86-96	12	1+8	13.7±0.2	183	1000/3000	1000/3000	12.5D/25D
98-108	12	1+9	14.4±0.2	199	1000/3000	1000/3000	12.5D/25D
110-120	12	1+10	15.1±0.2	214	1000/3000	1000/3000	12.5D/25D
122-132	12	1+11	15.6±0.2	229	1000/3000	1000/3000	12.5D/25D
134-144	12	1+12	16.3±0.2	246	1000/3000	1000/3000	12.5D/25D

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

Ordering Information

Part No.	Product Name	Description
FCOUSMJPE1-xy	Outdoor Multitube Optical Fiber Cable	Metal CSM, Single-armored, Double PE Sheaths, y Fiber, x Cores
FCOUSFJPE1-xy	Outdoor Multitube Optical Fiber Cable	FRP, CSM, Single-armored, Double PE Sheaths, y Fiber, x Cores

x=Fiber Number (2=2 cores, 4=4 cores....., 144=144 cores)

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