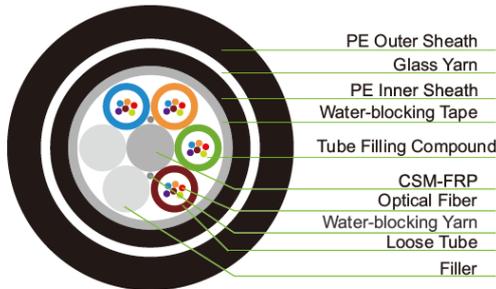


Outdoor Stranded Loose Tube Optical Fiber Cable, FRP CSM, Glass Yarn Strength Member, Double PE Sheaths, Semi-Dry

Technical Drawing



Description

The optical fiber is sheathed into a loose tube filled with waterproof compound made of high modulus PBT material. The center of the cable core is a non-metallic reinforcing core. For optical cables with some cores, a layer of polyethylene (PE) needs to be extruded outside the CSM. The loose tube (and filler) is twisted around the CSM to form a compact circular cable core. The cable core is longitudinally wrapped with a water blocking tape and extruded with a layer of polyethylene (PE) inner sheath. After the glass fiber yarn is coated, the outer polyethylene (PE) sheath forms a cable.

Features & Benefits

- PBT loose tube material has good hydrolysis resistance. The tube is filled with special ointment to protect the optical fiber
- The central reinforcing member adopts glass fiber FRP CSM with high Young's modulus
- Non-metallic structure, anti-electromagnetic and anti-static. Light weight, easy laying, suitable for power system and thunder areas
- Semi-dry structure makes operation become more convenient

Compliance & Standards

- ISO/IEC 11801
- ITU-T G.651/G.652/G.657
- IEC 60793-1
- IEC 60793-2
- IEC 60794-1
- IEC 60794-2



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Technical Parameter

Core Amount	4-36 Core	38-72 Core	96 Core	144 Core
Outer Diameter (mm) Approx.	12.5±0.2	12.7±0.2	13.8±0.2	16.9±0.2
Cable Weight (Kg) Approx.	123	126	153	219
Thickness of Outer Sheath (mm)	1.8±0.1			
Inner & Outer Sheath Material	MDPE			
Strength Member	FRP			
Tensile Strength Long/Short Term N	1000/3000			
Crush Strength Long/Short Term N	1000/3000			
Bending Radius Static/Dynamic mm	12.5D/25D			
Transport/storage/Operating Temperature	-40°C~+70°C			

Optical Performance

Fiber Type		G.652D	G.657A	OM2&OM3&OM4
Attenuation(+20°C)	@1310nm (SM)/@850nm (MM)	≤0.36 dB/km	≤0.36 dB/km	≤0.30 dB/km
	@1550nm (SM)/@1300nm (MM)	≤0.22 dB/km	≤0.22 dB/km	≤1.0 dB/km
Cable Cut-off Wave Length (λ _c)		≤1260nm	≤1260nm	\

Transport/storage/Operating Temperature: -20°C~+60°C



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Ordering Information

Part No.	Description
FCOUSFSPE4-XXYY	VERICOM Outdoor Stranded Loose Tube Optical Fiber Cable, FRP CSM, Glass Yarn Strength Member, Double PE Sheaths, Semi-dry, XX Core, YY Fiberr