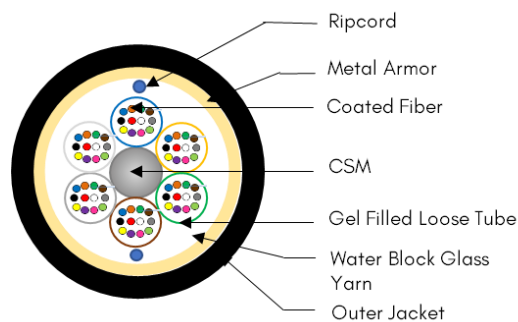


Single Mode OS2 Outdoor Fiber Cable

These Fiber Cables are made of a UV curable acrylate material coated above the cladded fiber core. This is embedded inside the PBTP Loose Tube. There are multiple Loose Tubes carrying fiber based on the requirement. This construction includes FRP Central Strength Member, Water Block Glass Yarn, ECCS Armor and Gel filled PBTP Tubes. Outer Jacket Construction made of HDPE Jacket

Water blocking glass yarn provides water blocking function. These Fiber cables are designed for use for External applications.



Standards

- ANSI/TIA-568.3-E
- ISO/IEC 11801
- ITU G.652-D

Construction

Core/Clad Diameter (μm)	9/125
Coating Diameter (μm)	250 \pm 15
Number of Cores	6 / 12 / 24 / 48 / 96
Armor	ECCS
Jacket	HDPE
Outer Diameter (mm)	12.00 \pm 1.00
Tube Diameter (mm)	2.00 \pm 0.20
Colour of Jacket	Black
Central Strength Member	FRP Rod
Number of Fiber / Tube	4 / 6 / 12
Tube Colour	Blue, Orange, Green, Brown, Slate, White
Fiber Colours	Blue, Orange, Green, Brown, Slate, White, Red, Black, Yellow, Violet, Rose, Aqua
Tube Material	PBTP
Rip Cord	2
Maximum Tensile Load (N)	4000
Maximum Crush Resistance (N/m)	2000

Transmission Data

Fiber Type	Single Mode (OS2) 9/125
Operating wavelength range (nm)	1310/1550
Attenuation (+20°C) @1310nm (dB/Km)	\leq 0.34
Attenuation (+20°C) @1550nm (dB/Km)	\leq 0.22



Environmental

Transport and Storage	-20° to 75°C
Installation	4° to 50°C
Operation	-20° to 75°C
Humidity	10% to 90% RH

Compliances

Mode Field Diameter	IEC 60793 1 45
Core/Clad Concentricity, Cladding Diameter, Cladding Non circularity	IEC 60793 1 20
Attenuation coefficient	IEC 60793 1 40
Chromatic dispersion	IEC 60793 1 42
Cable cut off wavelength	IEC 60793 1 44

How to Order

Description	Product Code
Single Mode (OS2) Outdoor, Multi loose tube, FRP CSM, Gel filled, ECS Armored, HDPE Jacket Cable, Black	602059-6YYY

YYY Denotes Number of Cores

Cores	Product Code
06	602059-6006
12	602059-6012
24	602059-6024
48	602059-6048
96	602059-6096

Other Customised construction and various core density are available upon request.