

24芯～96芯 マルチルースチューブアウトドア光ケーブル
24~96C Multi Gel-filled Loose Tube Outdoor Optical Cables



Fiber Specification

	Singlemode	Multimode	
Fiber Type (μm)	9/125	50/125	62.5/125
Core Diameter (μm)	8.3	50±3	62.5±3
Mode Field Diameter (μm)	9.2±0.4@1310nm 10.4±0.5@1550nm	---	---
Cladding Diameter (μm)	125±1	125±2	125±2
Coating Diameter (μm)	245±15	245±15	245±15
Coloring Diameters (μm)	250±15	250±15	250±15
Core Clad Concentricity(μm)	≤0.5	≤3.0	≤3.0
Cladding Non-Circularity(%)	≤1.0	≤2.0	≤2.0
Cable Cutoff Wavelength	□≤1260nm	---	---
Numerical Aperture	0.13	0.200 ± 0.015	0.275 ± 0.015
Tensile proof test (Kpsi)	100	100	100

Cable Specification

Fiber / Subunit Count	Fibers per Tube, Tube count	Loose Tube Diameter, mm	Cable Sheath Thickness, mm	Cable Outside Diameter, mm	Cable Nominal Weight, kg/km
24~72C / 6 Subunits	6~12 C/T, 3~6 T	2.0 ± 0.2	≥ 1.3	9.0 ± 0.5	55
96C / 8 Subunits	12 C/T, 8 T	2.0 ± 0.2	≥ 1.5	11.0 ± 0.5	91
Fiber Type	9/125	50/125	62.5/125		
Attenuation typical (nm)	1310/1550	850/1300	850/1300		
Maximum Attenuation (dB/km)	0.4/0.35	3.5/1.5	3.5/1.5		
Typical Attenuation (dB/km)	0.4/0.3	3.0/1.0	3.0/1.0		
Minimum Bandwidth (MHz□km)	N/A	500/500	160/500		

Mechanical Properties

		Standard
Maximum Tensile Load - Loaded (N)	2700 N	IEC 60794-1-2 E1
Maximum Tensile Load - Unloaded (N)	900 N	
Min. bend radius installed (mm)	10 x cable O.D.	IEC 60794-1-2 E11
Min. bend radius long term (mm)	20 x cable O.D.	
Storage Temperature	-40°C to + 70°C (PE) / -20°C to + 70°C (LSZH)	IEC 60794-1-2 F1
Operating Temperature	-40°C to + 70°C (PE) / -20°C to + 70°C (LSZH)	

特注ケーブルの製作も可能です。詳細は、お手数ですがお問い合わせフォームにお願いします。

Contact your OSTenp representative for information on specifications and availability.