

2芯～12芯ルースチューブ光ケーブル
2-12 Fiber All Dielectric Loose Tube Optical Fiber Cable



Fiber Specification

Singlemode		Multimode		
Fiber Type (µm)	9/125	50/125	62.5/125	OM3-10Gigabit-300M
Core Diameter (µm)	8.3	50±3	62.5±3	50±3
Mode Field Diameter (µm)	9.2±0.4@1310nm 10.4±0.5@1550nm	-	-	-
Cladding Diameter (µm)	125±1	125±2	125±2	125±2
Coating Diameter (µm)	245±5	245±10	245±10	245±10
Coloring Diameters (µm)	250±15	250±15	250±15	250±15
Core Clad Concentricity(µm)	≤0.5	≤3.0	≤3.0	≤3.0
Cladding Non-Circularity(%)	≤1.0	≤2.0	≤2.0	≤2.0
Cable Cutoff Wavelength	≤1260nm	-	-	-
Numerical Aperture	0.13	0.200 ± 0.015	0.275 ± 0.015	0.200 ± 0.015
Tensile proof test (Kpsi)	100	100	100	100

Contact your OSTenp representative for information on specifications and availability.

Cable Specification

Fiber Count	Core Tube Diameter , mm	Cable Outside Diameter, mm	Cable Weight, kg/km	Cable Jacketing Materials
2 ~12Fiber	3.0	7.0	44kg/km	Polyethylene(PE) or LSZH
Fiber Type	9/125	50/125	62.5/125	OM3-10Gigabit-300M
Attenuation typical (nm)	1310/1550	850/1300	850/1300	850/1300
Maximum Attenuation (dB/km)	0.4/0.35	3.5/1.5	3.5/1.5	3.5/1.5
Typical Attenuation (dB/km)	0.4/0.3	3.0/1.0	3.0/1.0	3.0/1.0
Minimum Bandwidth (MHz · km)	N/A	500/500	160/500	1500/500

Mechanical Properties

		Standard
Maximum Tensile Load - Loaded (N)	2700N	IEC 60794-1-2 E1
Maximum Tensile Load – Unloaded (N)	1300N	
Min. bend radius installed (mm)	20 x cable O.D.	IEC 60794-1-2 E11
Min. bend radius long term (mm)	10 x cable O.D.	
Storage Temperature	-20°C to +70°C	IEC 60794-1-2 F1
Operating Temperature	-20°C to +70°C	

Order Information

	9/125	50/125	62.5/125	OM3-10G-300M
4C	C904EBK	C504EBK	C604EBK	C404EBK
6C	C906EBK	C506EBK	C606EBK	C406EBK
8C	C908EBK	C508EBK	C608EBK	C408EBK
12C	C912EBK	C512EBK	C612EBK	C412EBK

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。

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