

2-12 Strand SSF™ Double Jacket

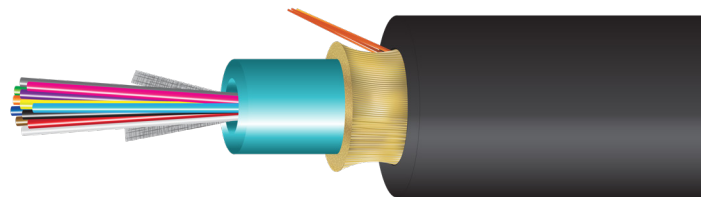
Micro-Distribution LT, Riser I/O, 50/125, OM3

Cleerline SSF™ 2-12 fiber Double Jacketed Micro Distribution cable is composed of a 2.5 mm loose tube style SSF™ cable subunit within an overall Riser rated PVC jacket.

SSF™ Double Jacketed Micro Distribution is ideal for installation outdoors in ducts or indoors in riser spaces and tray installations. It incorporates a second outer jacket adding additional protection to the subunit containing the fibers.

Cleerline SSF™ Micro Distribution multimode is fully compatible with all common connector systems for standard 50/125 multimode fiber.

The included SSF™ fiber provides extreme durability and strength.



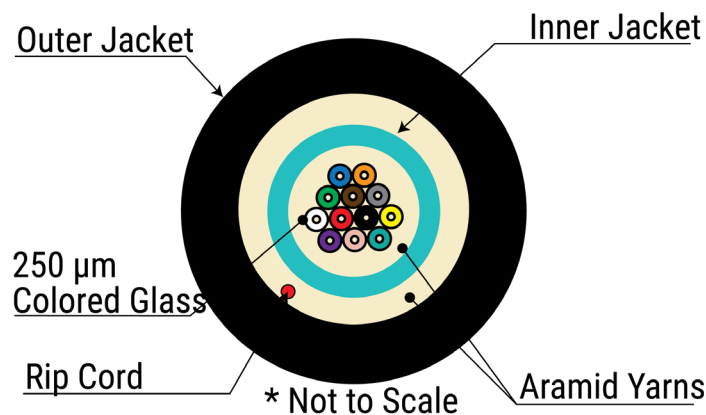
3D VIEW

FEATURES AND BENEFITS

- High mechanical strength, superior fatigue (Nd = 30)
- Compatible with common connector systems for 50/125 multimode
- Up to 10,000x the bend longevity of traditional fiber
- Integral SSF™ coating provides glass protection
- Dielectric construction
- Exclusive 250 µm Soft Peel acrylate
- Double Jacketed Durability

APPLICATIONS

- Installation in ducts outdoors
- Riser space and tray installations
- ETL listed type OFNR
- ANSI/TIA-568-C.3 compliant



TYPICAL CROSS SECTION

PART NUMBER	FIBERS	DESCRIPTION	JACKET RATING	O.D.	WEIGHT (LB / 1000 FT)
2DJMD501250M3R	2 Fibers	2 Strand 50/125 SSF - 1000 ft Spool	Riser I/O	4.8 mm	29
2DJMD501250M3R-B	2 Fibers	2 Strand 50/125 SSF - Cut to Order	Riser I/O	4.8 mm	29
6DJMD501250M3R	6 Fibers	6 Strand 50/125 SSF - 1000 ft Spool	Riser I/O	4.8 mm	29
6DJMD501250M3R-B	6 Fibers	6 Strand 50/125 SSF - Cut to Order	Riser I/O	4.8 mm	29
12DJMD501250M3R	12 Fibers	12 Strand 50/125 SSF - 1000 ft Spool	Riser I/O	4.8 mm	29
12DJMD501250M3R-B	12 Fibers	12 Strand 50/125 SSF - Cut to Order	Riser I/O	4.8 mm	29

CONSTRUCTION

FIBER	
Fibers	2-12
Type	50/125 Multimode OM3
Coating	250 µm "Soft Peel" S-Type Coating
Color Coding	Per TIA/EIA 598C

JACKET	
Type	Riser Rated PVC + UV (Indoor/Outdoor)
Color	Black
Outer Diameter	4.8 mm
Subunit	2.5 mm, Aqua PVC + UV
Markings	Sequential Foot Markings
Strength Member	Aramid + water blocking yarns
Circumferential Strength Member	Aramid yarns

PHYSICAL DATA	
Storage Temperature Range	-40°C to +70°C
Operating Temperature Range	-40°C to +70°C
Installation Temperature Range	-20°C to +55°C
Max Tensile Load (Installation)	1320 N (300 lbf)
Max Tensile Load Long Term	500 N (112 lbf)
Min. Bend Radius, Unloaded	1 x O.D.
Cable Outside Diameter, Nominal	4.8 mm
Cable Package	1000 ft Reel or customer request, spooled
Rating	Riser (OFNR) FT4
Crush Resistance (TIA/EIA 455-41A)	100 kgf / mm
Impact Resistance (TIA/EIA 455-25B)	1500 impact cycles
Flexing @ 90 degrees (TIA/EIA 455-104A)	2000 flexing cycles

ENVIRONMENTAL CHARACTERISTICS (SSF™ FIBER)	
Temperature Dependence, 850 nm and 1300 nm Induced Attenuation -60°C to + 85°C	≤ 0.5 dB / km
Watersoak Dependence, 850 nm and 1300 nm Induced Attenuation at 20°C for 30 days	≤ 0.5 dB / km
Damp Heat Dependence, 850 nm and 1300 nm Induced Attenuation at 85°C, 85% R.H., 30 days	≤ 0.5 dB / km
Dry Heat Dependence, 850 nm and 1300 nm Induced Attenuation at 85°C, 30 days	≤ 0.5 dB / km

PHYSICAL CHARACTERISTICS (SSF™ FIBER)	
Core Diameter	50.0 ± 2.5 µm
Core Non-circularity	≤ 6%
Core / Hybrid Cladding Concentricity Error	≤ 3.0 µm
Hybrid Cladding Diameter	125 ± 2 µm
Hybrid Cladding Non-Circularity	≤ 2.0%
Soft Peel Jacket Identifier	245 ± 10 µm
Coating Strip Force	100 g
Fiber Curl	≥ 2 m
Proof Test	100 kpsi
Dynamic Fatigue (n _d) 23°C, 41% R.H.	= 30
Length	1.0 - 8.8 Km

OPTICAL CHARACTERISTICS (SSF™ FIBER)		
Attenuation Coefficient	850 nm	≤ 3.5 dB/km
	1300 nm	≤ 1 dB/km
Bend Induced Attenuation, 850 nm	2 turns around 15 mm radius mandrel	≤ 0.2 dB
	2 turns around 7.5 mm radius mandrel	≤ 0.5 dB
Numerical Aperture		0.200 ± 0.015
Overfilled Modal Bandwidth	850 nm	≥ 1500 MHz · km
	1300 nm	≥ 500 MHz · km
High Performance EMB	850 nm	≥ 2000 MHz · km

BACKSCATTER CHARACTERISTICS		
Attenuation Directional Uniformity	≤ 0.05 dB/km	
Attenuation Uniformity	≤ 0.05 dB	
Group Index of Refraction	850 nm	1.481
	1300 nm	1.476

COMPLIANCE	
<p>UL Listed Type OFNR, CSA FT4, IECA S-83-596. 2-12 Strand LSZH Listed CPR Cca-s1a,d1,a1. DoP Available on Request. RoHS Compliant Directive 2011/65/EU SSF™ conforms to the requirement of IEC 60793-2-10 A1a, ISO/IEC 11801 & ITU-T G.651.1 850 nm Laser-Optimized 50 µm core Multimode fiber for 10 Gb/s and above applications.</p>	