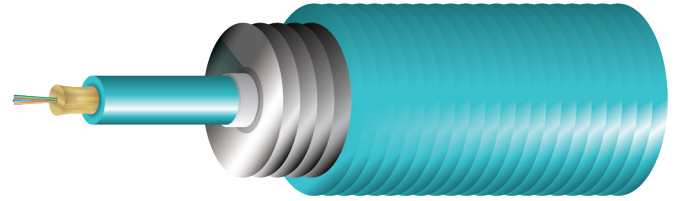


## Micro-Distribution LT, Plenum I/O, 50/125, OM3

Cleerline SSF Micro Distribution Aluminum Interlocking Armored cable consists of Plenum overall jacket with 6-144 fibers and water blocking yarns. All Aluminum Interlocking Armored is indoor/outdoor rated.

SSF Aluminum Interlocking Armored includes a spirally wrapped internal aluminum strip which provides high crush resistance and protection from rugged environments.

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



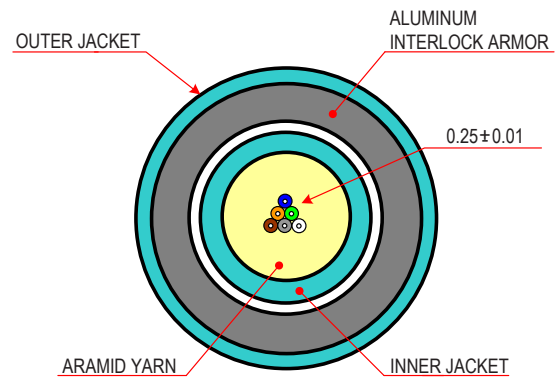
3D VIEW

### 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
- Increased safety due to incredible bend insensitivity
- Exclusive 250 µm Soft Peel acrylate

### APPLICATIONS

- Rugged environments- spirally-wrapped aluminum strip also prevents rodent incursion
- Installation without additional inner duct/conduit
- Indoor/Outdoor installations



TYPICAL CROSS SECTION

PART NUMBER	FIBERS	DESCRIPTION	JACKET RATING	O.D.	WEIGHT (LB / 1000 FT)
6IAD50125MOM3P	6 Fibers	6 Strand 50/125 SSF - 1000 ft Spool	Plenum I/O	14.6 mm	125
6IAD50125MOM3P-B	6 Fibers	6 Strand 50/125 SSF - Cut to Order	Plenum I/O	14.6 mm	125
12IAD50125MOM3P	12 Fibers	12 Strand 50/125 SSF - 1000 ft Spool	Plenum I/O	14.6 mm	125
12IAD50125MOM3P-B	12 Fibers	12 Strand 50/125 SSF - Cut to Order	Plenum I/O	14.6 mm	125
24IAD50125MOM3P	24 Fibers	24 Strand 50/125 SSF - 1000 ft Spool	Plenum I/O	16.1 mm	166
24IAD50125MOM3P-B	24 Fibers	24 Strand 50/125 SSF - Cut to Order	Plenum I/O	16.1 mm	166
48IAD50125MOM3P	48 Fibers	48 Strand 50/125 SSF - 1000 ft Spool	Plenum I/O	16.13 mm	164
48IAD50125MOM3P-B	48 Fibers	48 Strand 50/125 SSF - Cut to Order	Plenum I/O	16.13 mm	164
72IAD50125MOM3P	72 Fibers	72 Strand 50/125 SSF - 1000 ft Spool	Plenum I/O	17.65 mm	203
72IAD50125MOM3P-B	72 Fibers	72 Strand 50/125 SSF - Cut to Order	Plenum I/O	17.65 mm	203
96IAD50125MOM3P	96 Fibers	96 Strand 50/125 SSF - 1000 ft Spool	Plenum I/O	19.05 mm	223
96IAD50125MOM3P-B	96 Fibers	96 Strand 50/125 SSF - Cut to Order	Plenum I/O	19.05 mm	223
144IAD50125MOM3P	144 Fibers	144 Strand 50/125 SSF - 1000 ft Spool	Plenum I/O	20.6 mm	247
144IAD50125MOM3P-B	144 Fibers	144 Strand 50/125 SSF - Cut to Order	Plenum I/O	20.6 mm	247

**CONSTRUCTION**

FIBER	
Fibers	6, 12, 24, 48, 72, 96, 144
Type	50/125 Multimode OM3
Coating	250 µm "Soft Peel" S-Type Coating
Color Coding	Per TIA/EIA 598C

JACKET		
Type	Plenum Rated PVC + UV I/O	
Color	Aqua	
Outer Diameter	Varies by Part Number	
Subunit Diameter	6 - 24 strands	3 mm
	48 - 144 strands	2 mm
Markings	Sequential Foot Markings	
Strength Member	(Plenum + water blocking yarns)	

PHYSICAL DATA	
Storage Temperature Range	-40°C to +70°C
Operating Temperature Range	0°C to +70°C
Max Tensile Load (Installation)	180 lbf / 81 kgf (800N)
Max Tensile Load Long Term	135 lbf / 61 kgf (600N)
Allowable Bend Radius	Loaded 20 x O.D.
	Unloaded 15 x O.D.
Cable Outside Diameter, Nominal	Varies by part number
Cable Package	1000 ft reel or customer request, spooled
Rating	Plenum (OFNP) FT6

FIBER OPTIC CHARACTERISTICS		
Max. Attenuation	850 ± 20 nm	≤ 3.5 dB/km
	1300 ± 20 nm	≤ 1 dB/km
Bend Induced Attenuation, 850 nm	2 turns, 15 mm radius	≤ 0.2 dB
	2 turns, 15 mm radius	≤ 0.5 dB

FIBER PERFORMANCE SUMMARY		
Item	Standard Compliance & Condition	Δ Loss
High Humidity Aging	IEC 60793-1-50, 85°C/85% RH, 30 days	< 0.2 dB/km
Thermal Aging	IEC 60793-1-51 85°C, 30 days	< 0.2 dB/km
Temperature Cycling	IEC 60793-1-52 10° ~ 85°C, 21 cycles	< 0.2 dB/km
Water Soak	IEC 60793-1-53 23°, 30 days	< 0.2 dB/km
Hydrogen Aging	IEC 60793-2-50 23°C, Hydrogen loading 0.01 atm	NA

CABLE PERFORMANCE SUMMARY		
Item	Standard Compliance & Condition	Δ Loss
Cyclic Flexing Test	TIA/EIA-455-104A Sheave diameter: 20D (D = cable dia.) Flexing angle ±90°/cycle Flexing speed: 30 cycle/min Flexing cycles: 2000 Cycle load: 5 kg	< 0.3 dB/km
	TIA/EIA-455-25B Flexing Cycles: 1500 Flexing speed: 30 ± 1 cycle/min.	<0.3 dB/km
Compressive Loading Resistance Test	TIA/EIA 455-41A 220 kgf/mm for 10 min.	< 0.3 dB/km

COMPLIANCE	
ETL Listed Type IECA S-83-596 & OFCP, CSA FT6. GR-409 SSF conforms to the requirement of IEC 60793 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.	