



## STEELFLEX FIBER CABLES W/ OPTOLOCK

Mission Critical Networks  
Military Grade for Harsh Environments

Exclusive OptoLock Mechanism  
comprised of a steel metal tube locked  
into place by overlapping links.

This results in an unmatched, rugged,  
yet light weight cable, providing  
maximum flexibility.

SPECIFICATIONS		Single Mode	Multimode	AVAILABILITY	
Maximum Attenuation	0.4dB/km@1310nm 0.3dB/km@1550nm		3.5dB/km@850nm 1.5dB/km@1300nm	Fiber Count	Duplex, 12, 24 (12x2)
Connector Performance				Connectors (Any Combination)	MTP/MPO, LC, SC, FC, ST, MTRJ, APC
<b>Connector Type</b>	<b>PC</b>	<b>UPC</b>	<b>APC</b>	<b>PC</b>	
Insertion Loss (dB)	≤ 0.3	≤ 0.2	≤ 0.3	≤ 0.3	Fiber (Yellow, Orange, Aqua)
Return Loss (dB)	≥ 45	≥ 50	≥ 65	—	
Operating Temperature	-40°C~+85°C			Core	9/125µm, 50/125µm, 62.5/125µm
Outside Diameter	4.8mm, 3.4mm Fan-Out Section			Jacket/Coating	Low Smoke Zero Halogen (LSZH)
Net Weight	~40kg/km			Stock Lengths (meters)	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 100
Bending Strength	15 kgf			Maximum Continuous Length	300 meters up to 1000m.
Mechanical Shock	5 Nm				
Lateral Pressure	500 kgf				
Bending Radius (mm)	40				

### INDESTRUCTIBLE MILITARY GRADE

Durable Military Grade outdoor rated cable with flexible steel tubing that is virtually unbreakable.

### WITHSTANDS REPEATED BENDING

The flexible metal tube limits the bending radius, preventing the optical fiber from breaking.



### PROTECTED FROM RODENT ATTACKS

The OptoLock mechanism protects delicate optical fibers from damage by rodents and birds.

### HARSH ENVIRONMENT PROTECTION

Water, gas, chemical,  
and weather proof

### PATENTED TECHNOLOGY

Patented ruggedized technology offers the features of traditional patch cord, but with the protection & durability of armor

### REGULATORY COMPLIANCE

- Conforms to IEC, EIA-TIA or Telcordia performance requirements
- REACH, SvHC and RoHS materials compliant