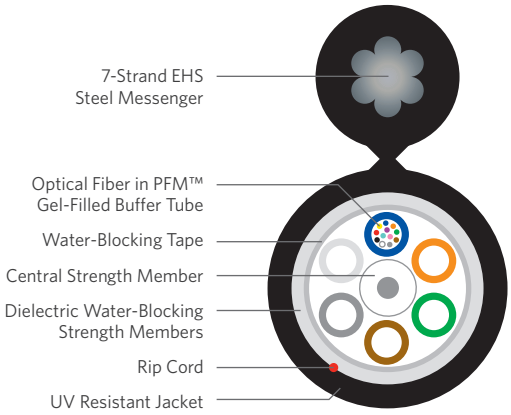
Loose Tube Single Jacket Self Support

Series 11M



PRODUCT DESCRIPTION

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) applications. Loose tube self support cables are designed for use in aerial applications as an alternative to lashing. These cables reduce installation time and costs. Superior Essex offers self support cables for spans up to 700 feet. The loose tube design offers reliable transmission performance over a broad temperature range. The rugged loose tube design features optical fibers placed inside PFM™ gel-filled buffer tubes. The core is constructed by stranding the buffer tubes around a central member using a reverse oscillating lay (ROL). The core is wrapped with flexible strength members, a water-blocking tape and then encased with a black jacket and an integrated EHS steel messenger. A rip cord is included under the jacket for ease of entry.

APPLICATIONS

- Aerial self support
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

FEATURES	BENEFITS
Available with up to 120-fiber	High fiber density
Multiple fiber types including hybrids	Multiple network applications
Dry (SAP) core standard	Reduces cable prep and installation time
Standard tube size for all fiber counts	Reduces the number of tools required
Conforms to standard pole attachment hardware	Standard installation practices
PFM gel	Non-sticky gel speeds fiber access and clean-up

SPECIFICATIONS

Fiber Count	Available in 6-fiber up to 120-fiber
Standards Compliance	Telcordia GR-20-CORE RDUP PE-90 Designation MLT-8 ICEA S-87-640-2006 RoHS-compliant

ENVIRONMENTAL SPECIFICATIONS

Operation/Storage	-40°C to +70°C
Installation	-30°C to +75°C

PART NUMBERS AND PHYSICAL CHARACTERISTICS

		Dimensions			Fiber Cable Component Maximum Tensile Loading			Minimum Bend Radius	
Part Number[1]	Fiber Count	Minor in (mm)	Major in (mm)	Nominal Weight lbs/kft (kg/km)	Install lbs (N)	Long Term lbs (N)	Support Messenger Breaking Strength lbs	Install in (mm)	Long Term in (mm)
11006xxM1	6	0.43 (10.9)	0.89 (23.0)	208 (310)	600 (2,700)	200 (890)	6,650	8.6 (218)	4.3 (109)
11012xxM1	12	0.43 (10.9)	0.89 (23.0)	208 (310)	600 (2,700)	200 (890)	6,650	8.6 (218)	4.3 (109)
11024xxM1	24	0.43 (10.9)	0.89 (23.0)	208 (310)	600 (2,700)	200 (890)	6,650	8.6 (218)	4.3 (109)
11036xxM1	36	0.43 (10.9)	0.89 (23.0)	208 (310)	600 (2,700)	200 (890)	6,650	8.6 (218)	4.3 (109)
11048xxM1	48	0.43 (10.9)	0.89 (23.0)	208 (310)	600 (2,700)	200 (890)	6,650	8.6 (218)	4.3 (109)
11072xxM1	72	0.47 (12.0)	0.93 (24.0)	224 (333)	600 (2,700)	200 (890)	6,650	9.4 (239)	4.7 (119)
11096xxM1	96	0.55 (13.9)	1.01 (26.0)	245 (365)	600 (2,700)	200 (890)	6,650	11.0 (279)	5.5 (140)
11120xxM1	120	0.69 (17.5)	1.15 (29.0)	300 (446)	600 (2,700)	200 (890)	6,650	13.8 (351)	6.9 (175)

PART NUMBER KEY

1	1	_	_	_	x	x	M	_
1	2	3	4	5	6	7	8	9
product family		fiber count (006-120)			fiber type	internal designator		water block/ marking (1-8)

Contact Customer Service for availability of non-standard offerings.
See "Optical Fiber Cable" options in the "Technical Info" section for flooding and jacket marking options.

SINGLE MODE OPTICAL FIBER TYPES

	Conventional	Reduced Water Peak	Zero Water Peak	TeraFlex® Bend Resistant G.657.A1	G.657.A2	G.657.B3	NZDS
[1]For ≤ 36 fibers replace "xx" with:	9T	3T	2T	KT	JT	LT	8T
[1]For > 36 fibers replace "xx" with:	91	31	21	K1	J1	L1	81

See the "Optical Fiber Selection Chart" in the "Technical Info" section for detailed fiber type specifications.

MULTIMODE OPTICAL FIBER TYPES

	TeraGain® 62.5/125	TeraGain Laser Optimized 50/125 10G/150	10G/300	10G/550
[1]Replace "xx" with:	6G	AG	BG	FG

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RoHS
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