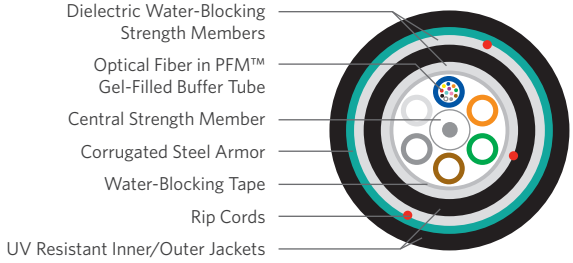
Loose Tube Double Jacket Single Armor

Series 1A

PRODUCT DESCRIPTION

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. The rugged loose tube design offers reliable transmission performance over a broad temperature range. Optical fibers are placed inside filled buffer tubes containing PFM™ gel. 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 covered with a water-blocking tape then encased with a black inner jacket. Water-blocking yarns and a corrugated steel armor are applied and a black outer jacket completes the cable construction. Rip cords are included under the inner jacket and armor for ease of entry.



APPLICATIONS

- Direct bury, underground duct and lashed aerial
- Trunk, distribution and feeder cables
- Local loop, metro, long-haul and broadband network

FEATURES / BENEFITS

FEATURES	BENEFITS
• Available with up to 288-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
• Corrugated steel armor	• Improves compressive strength and rodent protection
• PFM gel	• Non-sticky gel speeds fiber access and clean-up

SPECIFICATIONS

Fiber Count	Available in 2-fiber up to 288-fiber
Standards Compliance	Telcordia GR-20-CORE RDUP PE-90 Designation MLT ICEA S-87-640-2006 RoHS-compliant

ENVIRONMENTAL SPECIFICATIONS

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

PART NUMBERS AND PHYSICAL CHARACTERISTICS

				Maximum Tensile Loading		Minimum Bend Radius	
Part Number[1]	Fiber Count	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Install lbs (N)	Long Term lbs (N)	Install in (mm)	Long Term in (mm)
1A006xx01	6	0.56 (14.1)	119 (178)	600 (2,700)	200 (890)	11.2 (282)	5.6 (141)
1A012xx01	12	0.56 (14.1)	119 (178)	600 (2,700)	200 (890)	11.2 (282)	5.6 (141)
1A024xx01	24	0.56 (14.1)	119 (178)	600 (2,700)	200 (890)	11.2 (282)	5.6 (141)
1A036xx01	36	0.56 (14.1)	119 (178)	600 (2,700)	200 (890)	11.2 (282)	5.6 (141)
1A048xx01	48	0.56 (14.1)	119 (178)	600 (2,700)	200 (890)	11.2 (282)	5.6 (141)
1A072xx01	72	0.58 (14.9)	138 (206)	600 (2,700)	200 (890)	11.6 (298)	5.8 (149)
1A096xx01	96	0.65 (16.6)	166 (248)	600 (2,700)	200 (890)	13.0 (322)	6.5 (166)
1A144xx01	144	0.78 (19.9)	230 (343)	600 (2,700)	200 (890)	15.6 (398)	7.8 (199)
1A216xx01	216	0.78 (19.9)	226 (336)	600 (2,700)	200 (890)	15.6 (398)	7.8 (199)
1A288xx01	288	0.90 (22.9)	283 (422)	600 (2,700)	200 (890)	18.0 (458)	9.0 (229)

PART NUMBER KEY

1	A	_	_	_	x	x	0	_
1	2	3	4	5	6	7	8	9
Product family		Fiber count (002-288)			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 Information" section for flooding and jacket marking options.

SINGLE MODE OPTICAL FIBER TYPES

		Reduced Water Peak	Zero Water Peak	TeraFlex® Bend Resistant			
	Conventional			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 Information" 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

800.551.8948 | 770.657.6000
SuperiorEssex.com
SUPERIOR ESSEX