

# 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

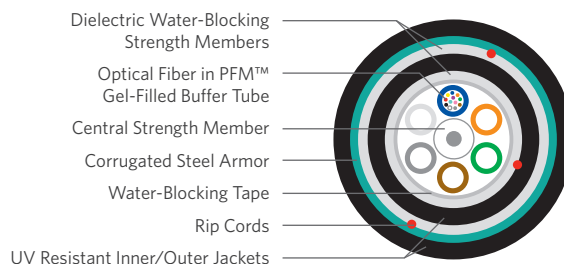
- Direct bury, underground duct and lashed aerial
- Trunk, distribution and feeder cables
- Local loop, metro, long-haul and broadband network

## FEATURES

- Available with up to 288-fiber
- Multiple fiber types including hybrids
- Dry (SAP) core standard
- Standard tube size for all fiber counts
- Corrugated steel armor
- PFM gel

## BENEFITS

- High fiber density
- Multiple network applications
- Reduces cable prep and installation time
- Reduces the number of tools required
- Improves compressive strength and rodent protection
- Non-sticky gel speeds fiber access and clean-up



## SPECIFICATIONS

<b>Fiber Count</b>	Available in 6-fiber up to 288-fiber
<b>Standards Compliance</b>	Telcordia GR-20-CORE RDUP PE-90 Designation MLT ICEA S-87-640-2006 RoHS-compliant

## ENVIRONMENTAL SPECIFICATIONS

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

## PART NUMBERS AND PHYSICAL CHARACTERISTICS

Part Number <sup>1</sup>	Fiber Count	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Maximum Tensile Loading		Minimum Bend Radius	
				Install lbs (N)	Long Term lbs (N)	Install in (mm)	Long Term in (mm)
1A006xx01	6	0.57 (14.5)	129 (192)	600 (2,700)	200 (890)	11.4 (290)	5.7 (145)
1A012xx01	12	0.57 (14.5)	129 (192)	600 (2,700)	200 (890)	11.4 (290)	5.7 (145)
1A024xx01	24	0.57 (14.5)	129 (192)	600 (2,700)	200 (890)	11.4 (290)	5.7 (145)
1A036xx01	36	0.57 (14.5)	129 (192)	600 (2,700)	200 (890)	11.4 (290)	5.7 (145)
1A048xx01	48	0.57 (14.5)	129 (192)	600 (2,700)	200 (890)	11.4 (290)	5.7 (145)
1A072xx01	72	0.66 (16.7)	164 (245)	600 (2,700)	200 (890)	13.2 (335)	6.6 (168)
1A096xx01	96	0.72 (18.4)	196 (291)	600 (2,700)	200 (890)	14.4 (365)	7.2 (183)
1A144xx01	144	0.87 (22.0)	274 (408)	600 (2,700)	200 (890)	17.4 (442)	8.7 (221)
1A216xx01	216	0.87 (22.0)	267 (397)	600 (2,700)	200 (890)	17.4 (442)	8.7 (221)
1A288xx01	288	0.98 (25.0)	334 (497)	600 (2,700)	200 (890)	19.6 (498)	9.8 (249)

## PART NUMBER KEY

1	A	–	–	–	x	x	0	–
1	2	3	4	5	6	7	8	9
product family		fiber count (006-288)			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 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
<sup>1</sup> For ≤ 36 fibers replace "xx" with:	9T	3T	2T	KT	JT	LT	8T
<sup>1</sup> 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
<sup>1</sup> Replace "xx" with:	6G	AG	BG	FG