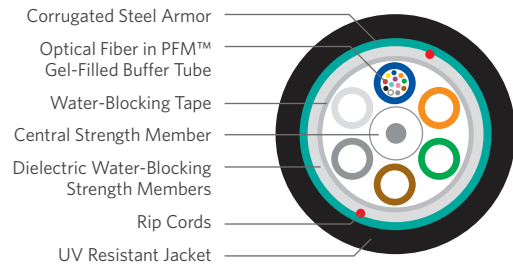


# Loose Tube Single Jacket Single Armor

Series 12



## PRODUCT DESCRIPTION

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. The durable 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. A corrugated steel armor is applied and then encased with a black jacket. Rip cords are included under the armor for ease of entry.

## APPLICATIONS

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

## FEATURES

- Available with up to 432-fiber
- Multiple fiber types including composites
- 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

Fiber Count	Available in 2-fiber up to 432-fiber
Standards Compliance	Telcordia® GR-20-CORE RDUP PE-90 Designation MLT ICEA S-87-640-2011 RoHS-compliant

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## ENVIRONMENTAL SPECIFICATIONS

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

## PART NUMBER KEY

1	2	-	-	-	x	x	0	y
1	2	3	4	5	6	7	8	9
Product family	Fiber count (002-432)			Fiber type	Internal designator	Water block/marking (1-8)		

Contact Customer Service for availability of non-standard offerings.

## 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)
12006xx0y	6	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
12012xx0y	12	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
12018xx0y	18	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
12024xx0y	24	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
12036xx0y	36	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
12048xx0y	48	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
12072xx0y	72	0.49 (12.3)	100 (149)	600 (2,700)	200 (890)	9.8 (246)	4.9 (123)
12096xx0y	96	0.56 (14.3)	125 (186)	600 (2,700)	200 (890)	11.2 (286)	5.6 (143)
12144xx0y	144	0.69 (17.6)	182 (271)	600 (2,700)	200 (890)	13.8 (352)	6.9 (176)
12192xx0y	192	0.69 (17.6)	177 (264)	600 (2,700)	200 (890)	13.8 (352)	6.9 (176)
12216xx0y	216	0.69 (17.6)	177 (264)	600 (2,700)	200 (890)	13.8 (352)	6.9 (176)
12288xx0y	288	0.80 (20.3)	228 (340)	600 (2,700)	200 (890)	16.0 (406)	8.0 (203)
12432xx0y	432	0.91 (23.0)	289 (431)	600 (2,700)	200 (890)	18.2 (460)	9.1 (230)

## FIBER TYPES:

## SINGLE MODE

Reduced Water Peak	Zero Water Peak	TeraFlex® Bend Resistant					
		G.657.A1	G.657.A2	G.657.B3	NZDS	LEAF	
3T	2T	KT	JT	LT	8T	ST	
31	21	K1	J1	L1	81	S1	

<sup>1</sup>For ≤ 36 fibers replace "xx" with:

<sup>1</sup>For > 36 fibers replace "xx" with:

## MULTIMODE

TeraGain® 62.5/125	TeraFlex Bend Resistant Laser Optimized 50/125		
	10G/150	10G/300	10G/550
6G	MG	NG	PG

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

## WATER BLOCK AND JACKET PRINT CODES

	Dry core		Dry core special	
	Feet	Meters	Feet	Meters
<sup>1</sup> Replace "y" with:	1	2	5	6

