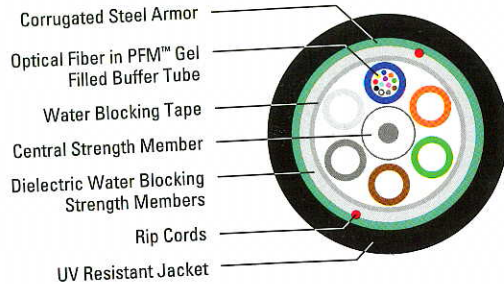


Loose Tube Single Jacket Single Armor

Series 12



Product Description

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. The 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. 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 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

Fiber Count	Available in 6-fiber up to 288-fiber
Maximum Tensile Loading lbs (N)	Install: 600 (2,700) Long Term: 200 (890)
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 +75°C

Part Numbers and Physical Characteristics

Part Number ¹	Fiber Count	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Minimum Bend Radius	
				Install in (mm)	Long Term in (mm)
12006xx01	6	0.48 (12.2)	91 (136)	9.6 (244)	4.8 (122)
12012xx01	12	0.48 (12.2)	91 (136)	9.6 (244)	4.8 (122)
12024xx01	24	0.48 (12.2)	91 (136)	9.6 (244)	4.8 (122)
12036xx01	36	0.48 (12.2)	91 (136)	9.6 (244)	4.8 (122)
12048xx01	48	0.48 (12.2)	91 (136)	9.6 (244)	4.8 (122)
12072xx01	72	0.53 (13.3)	108 (161)	10.6 (269)	5.3 (135)
12096xx01	96	0.63 (16.0)	148 (220)	12.6 (320)	6.3 (160)
12144xx01	144	0.77 (19.7)	220 (328)	15.4 (391)	7.7 (196)
12216xx01	216	0.81 (20.5)	274 (408)	16.2 (411)	8.1 (206)
12288xx01	288	0.89 (22.7)	274 (408)	17.0 (452)	8.9 (226)

Part Number Designators

1	2	-	-	-	x	x	0	-
1	2	3	4	5	6	7	8	9
product family		fiber count (6-288)			fiber type	internal designator		water block/ marking (1-8)

Contact Customer Service for availability of non-standard offerings.
See the "Optical Fiber Cable Options" on page 216 in the Technical Info section for flooding and jacket marking options.

Single Mode Optical Fiber

	Conventional	Reduced Water Peak	Zero Water Peak	TeraFlex® Bend Insensitive	NZDS
¹ For ≤ 36 fibers replace "xx" with:	9T	3T	2T	KT	8T
¹ For > 36 fibers replace "xx" with:	91	31	21	K1	81

See the "Optical Fiber Selection Chart" on pages 214 and 215 in the Technical Info section for detailed fiber type specifications.

TeraGain® Multimode Optical Fiber

	62.5	50/125 10G/150	50/125 10G/300	50/125 10G/550
¹ Replace "xx" with:	6G	AG	BG	FG