

**Product Description**

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) applications. Single Loose tube cables offer a low cost alternative to traditional stranded loose tube cables. Armored cables are designed for improved mechanical and rodent protection in direct bury applications. The loose tube design offers reliable transmission performance over a broad temperature range. The rugged single loose tube design features optical fibers placed inside a single PFM™ gel-filled tube. The core tube includes up to 8-fiber bundles, each containing up to 12 optical fibers bound with a color coded binder. The core is wrapped with flexible strength members and 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 access to the core tube.

**Applications**

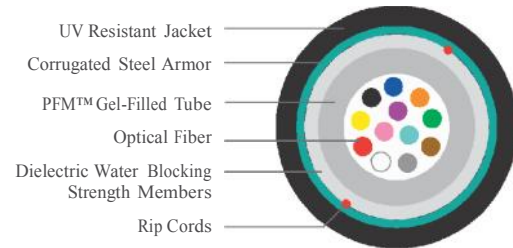
- Direct bury
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

**Features**

- Available with up to 96-fiber
- Multiple fiber types
- Dry (SAP) core standard
- Highly flexible
- Fewer cable components
- Corrugated Armor
- PFM gel

**Benefits**

- High fiber density
- Multiple network applications
- Reduces cable prep and installation time
- Easy handling
- Reduces cost
- Improves compressive strength and rodent protection
- Non-sticky gel speeds fiber access and clean-up



**Specifications**

Fiber Count	Available in 6-fiber up to 96-fiber
Standards Compliance	Telcordia GR-20-CORE RDUP PE-90 Designation SLT 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**

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)
152006xx01	6	0.36 (9.1)	62 (92)	600 (2,700)	200 (890)	7.2 (183)	3.6 (91)
152012xx01	12	0.36 (9.1)	62 (92)	600 (2,700)	200 (890)	7.2 (183)	3.6 (91)
152024xx01	24	0.44 (11.0)	83 (124)	600 (2,700)	200 (890)	8.8 (224)	4.4 (112)
152036xx01	36	0.44 (11.0)	83 (124)	600 (2,700)	200 (890)	8.8 (224)	4.4 (112)
152048xx01	48	0.44 (11.0)	83 (124)	600 (2,700)	200 (890)	8.8 (224)	4.4 (112)
152072xx01	72	0.50 (12.8)	111 (165)	600 (2,700)	200 (890)	10.0 (254)	5.0 (127)
152096xx01	96	0.50 (12.8)	111 (165)	600 (2,700)	200 (890)	10.0 (254)	5.0 (127)

**Part Number Key**

5	2	_	_	_	x	x	0	_
1	2	3	4	5	6	7	8	9
Product family	Fiber count (006-096)	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**

	Conventional	Reduced Water Peak	Zero Water Peak	TeraFlex® Bend Resistant			
				G.657.A1	G.657.A2	G.657.B3	NZDS
<sup>1</sup> Replace "xx" with:	91	31	21	K1	J1	L1	81

**Multimode Optical Fiber Types**

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