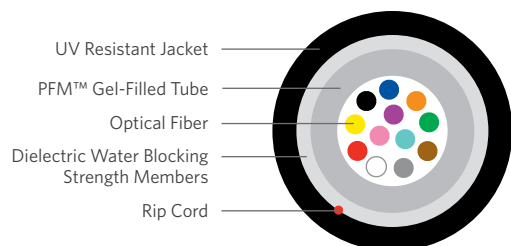


# Single Loose Tube All Dielectric

Series 51



## 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. The loose tube design offers reliable transmission performance over a broad temperature range. The durable 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 within a color coded binder. The core tube is then helically wrapped with water-blocking strength members, then encased with a black jacket. A rip cord is included under the jacket to provide ease of access to the core tube.

## APPLICATIONS

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

## FEATURES

- Available with up to 96-fiber
- Multiple fiber types
- Dielectric outer strength members
- Dry (SAP) core standard
- Highly flexible
- Small cable diameter
- Fewer cable components
- PFM gel

## BENEFITS

- High fiber density
- Multiple network applications
- Eliminates grounding or bonding problems
- Reduces cable prep and installation time
- Easy handling
- Installation of more fibers in less space
- Reduces cost
- 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-87-640-2011  
RoHS-compliant

Telcordia is a registered trademark of Ericsson Inc.

## ENVIRONMENTAL SPECIFICATIONS

**Operation/Storage** -40°C to +70°C

**Installation** -30°C to +70°C

## PART NUMBER KEY

5	1	—	—	—	x	x	0	y
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.

## 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)
51006xx0y	6	0.31 (7.9)	36 (54)	600 (2,700)	200 (890)	6.2 (158)	3.1 (79)
51012xx0y	12	0.31 (7.9)	36 (54)	600 (2,700)	200 (890)	6.2 (158)	3.1 (79)
51024xx0y	24	0.39 (9.8)	51 (75)	600 (2,700)	200 (890)	7.8 (196)	3.9 (98)
51036xx0y	36	0.39 (9.8)	51 (75)	600 (2,700)	200 (890)	7.8 (196)	3.9 (98)
51048xx0y	48	0.39 (9.8)	51 (75)	600 (2,700)	200 (890)	7.8 (196)	3.9 (98)
51072xx0y	72	0.46 (11.6)	68 (102)	600 (2,700)	200 (890)	9.2 (232)	4.6 (116)
51096xx0y	96	0.46 (11.6)	68 (102)	600 (2,700)	200 (890)	9.2 (232)	4.6 (116)

## FIBER TYPES:

### SINGLE MODE

	Reduced Water Peak	Zero Water Peak	TeraFlex® Bend Resistant			NZDS	LEAF
			G.657.A1	G.657.A2	G.657.B3		
<sup>1</sup> Replace "xx" with:	31	21	K1	J1	L1	81	S1

### 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
	2	5	6

