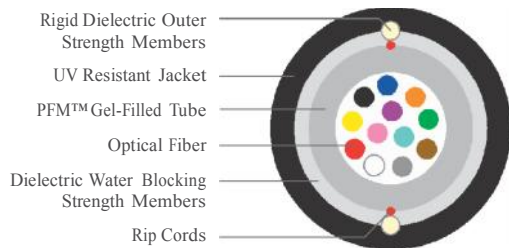


# SINGLE FLEX TUBE ALL DIELECTRIC

Series F1



## 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 highly flexible single tube reduces installation problems. The loose tube design offers reliable transmission performance over a broad temperature range. The single flex 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 water-blocking tape and then encased with a black jacket containing rigid strength rods. A rip cord is included under the jacket for 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-87-640-2006 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)
1F1006xx01	6	0.47 (11.9)	75 (112)	600 (2,700)	200 (890)	9.4 (238)	4.7 (119)
1F1012xx01	12	0.47 (11.9)	75 (112)	600 (2,700)	200 (890)	9.4 (238)	4.7 (119)
1F1024xx01	24	0.47 (11.9)	75 (112)	600 (2,700)	200 (890)	9.4 (238)	4.7 (119)
1F1036xx01	36	0.47 (11.9)	75 (112)	600 (2,700)	200 (890)	9.4 (238)	4.7 (119)
1F1048xx01	48	0.47 (11.9)	75 (112)	600 (2,700)	200 (890)	9.4 (238)	4.7 (119)
1F1072xx01	72	0.55 (14.0)	101 (150)	600 (2,700)	200 (890)	11.0 (279)	5.5 (139)
1F1096xx01	96	0.55 (14.0)	101 (150)	600 (2,700)	200 (890)	11.0 (279)	5.5 (139)

## Part Number Key

F	1	—	—	—	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> For ≤ 12 fibers replace "xx" with:	96	36	26	K6	J6	L6	86
<sup>1</sup> For > 12 fibers replace "xx" with:	91	31	21	K1	J1	L1	81

## 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