

# Single Loose Tube All-Dielectric Cables Series 51



## Product Description

Loose tube cables are the product of choice as the backbone in outside plant 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.

## Physical Description

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 fibers bound within a color coded binder. The core tube is then helically wrapped with water-blocking strength members, then encased with a black polyethylene jacket. Ripcords are included to provide ease of access to the cable core.

## Features

- Available with up to 96 fibers
- Single mode, Multimode, RWP SMF and NZDS
- 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
- Reduced cost
- Non sticky gel allows for easier and faster clean up

## Applications

- Underground Duct, Lashed Aerial
- Trunk, Distribution and Feeder Cable
- Local Loop, Metro and Long-Haul
- Broadband Network

### Environmental Specifications

Operation/Storage	-40°C to + 70°C
Installation	-30°C to + 75°C

### Part Numbers and Physical Characteristics

Part #*	Fiber Count	Nom. Diameter inches (mm)	Approx. Weight lbs/kft (kg/km)	Max Tensile Loading		Min Bend Radius	
				Install lbs (N)	Long Term lbs (N)	Install inches (mm)	Long Term inches (mm)
510063101	6	0.30 (7.9)	39 (58)	600 (2700)	200 (890)	6.2 (158)	3.1 (79)
510123101	12	0.30 (7.9)	39 (58)	600 (2700)	200 (890)	6.2 (158)	3.1 (79)
510243101	24	0.39 (9.80)	56 (83)	600 (2700)	200 (890)	7.8 (196)	3.9 (98)
510363101	36	0.39 (9.80)	56 (83)	600 (2700)	200 (890)	7.8 (196)	3.9 (98)
510483101	48	0.39 (9.80)	56 (83)	600 (2700)	200 (890)	7.8 (196)	3.9 (98)
510723101	72	0.50 (11.6)	78 (116)	600 (2700)	200 (890)	9.2 (232)	4.6 (116)
510963101	96	0.50 (11.6)	78 (116)	600 (2700)	200 (890)	9.2 (232)	4.6 (116)

To select a part number for a fiber type not listed, please see our fiber selection pages starting on page 230

\*All part #'s shown above utilize RWP SMF

For complete optical fiber specifications, see page 230.

### Standards Compliance:

Telcordia GR-20-CORE; RDUP Designation - SLT, RoHS compliant