

# Single Loose Tube Single Armor Cables *Series 52*



## 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. 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.

## 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 with a color coded binder. 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 polyethylene jacket. Ripcords are included for ease of entry.

## 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
- Corrugated Armor
- 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
- Improved compressive strength and rodent protection
- Non sticky gel allows for easier and faster clean up

## Applications

- Direct bury
- Trunk, Distribution and Feeder Cables
- 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)
520063101	6	0.40 (9.1)	62 (92)	600(2700)	200 (890)	7.0 (180)	3.5 (90)
520123101	12	0.40 (9.1)	62 (92)	600 (2700)	200 (890)	7.0 (180)	3.5 (90)
520243101	24	0.44 (10.95)	83 (124)	600 (2700)	200 (890)	8.6 (218)	4.3 (109)
520363101	36	0.44 (10.95)	83 (124)	600 (2700)	200 (890)	8.6 (218)	4.3 (109)
520483101	48	0.44 (10.95)	83 (124)	600 (2700)	200 (890)	8.6 (218)	4.3 (109)
520723101	72	0.51 (12.75)	111 (165)	600 (2700)	200 (890)	10.0 (256)	5.0 (128)
520963101	96	0.51 (12.75)	111 (165)	600 (2700)	200 (890)	10.0 (256)	5.0 (128)

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 - MLT-8, RoHS compliant

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