

# Loose Tube Single Jacket Single Armor Self Support

Series 12M



## Product Description

Loose tube cables are the product of choice as the backbone in outside plant applications. Loose tube self support cables are designed for use in aerial applications as an alternative to lashing. These cables reduce installation time and costs. Superior Essex offers self support cables for spans up to 700 feet. The loose tube design offers reliable transmission performance over a broad temperature range.

## Physical Description

The rugged loose tube design features optical fibers placed inside PFM™ gel filled buffer tubes. The core is constructed by stranding the buffer tubes around a central member using a reverse oscillated lay. 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 with integrated EHS steel messenger. Ripcords are included for ease of entry.

## Features

- Available with up to 120 fibers
- Single mode, Multimode, RWP SMF, NZDS and hybrid
- Central strength members available in metallic or dielectric
- Dry (SAP) core standard
- Improved operating temperature range
- Corrugated steel armor
- Conforms to standard pole attachment hardware
- PFM™ gel

## Benefits

- High fiber density
- Multiple network applications
- Metallic option offers ease of location, dielectric design eliminates grounding issues
- Reduces cable prep and installation time
- Allows use in colder environments.
- Improved compressive strength and rodent protection
- Standard installation practices.
- Non sticky gel allows for easier and faster clean up

## Applications

- Aerial Self Support
- 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	Minor Dimension inches (mm)	Major Dimension inches (mm)	Nom. 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)
1200631M1	6	0.50 (12.2)	0.98 (24)	249 (371)	600 (2700)	200 (890)	10.4 (262)	5.2 (131)
120123TM1	12	0.50 (12.2)	0.98 (24)	249 (371)	600 (2700)	200 (890)	10.4 (262)	5.2 (131)
120243TM1	24	0.50 (12.2)	0.98 (24)	249 (371)	600 (2700)	200 (890)	10.4 (262)	5.2 (131)
120363TM1	36	0.50 (12.2)	0.98 (24)	249 (371)	600 (2700)	200 (890)	10.4 (262)	5.2 (131)
1204831M1	48	0.50 (12.2)	0.98 (24)	249 (371)	600 (2700)	200 (890)	10.4 (262)	5.2 (131)
1207231M1	72	0.53 (13.3)	1.02 (25)	268 (399)	600 (2700)	200 (890)	11.2 (282)	5.6 (141)
1209631M1	96	0.60 (16.1)	1.14 (29)	304 (452)	600 (2700)	200 (890)	13.6 (327)	6.8 (164)
1212031M1	120	0.70 (17.8)	1.22 (31)	344 (512)	600 (2700)	200 (890)	15.2 (372)	7.6 (186)

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