

# Loose Tube Single Jacket Cables Self Support

Series 11M



## 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 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, a water blocking tape 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
- Standard tube size for all fiber counts.
- Improved operating temperature range
- 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
- Reduces the number of tools required.
- Allows use in colder environments.
- Standard Installation Practices.
- Non-sticky gel allows for easier and faster clean up

## Applications

- Aerial Self Support
- Trunk, Distribution and Feeder Cables
- Local Loop
- 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<br>inches (mm) | Major Dimension<br>inches (mm) | Nom. Weight<br>lbs/kft (kg/km) | Max Tensile Loading |                      | Min Bend Radius        |                          |
|-----------|-------------|--------------------------------|--------------------------------|--------------------------------|---------------------|----------------------|------------------------|--------------------------|
|           |             |                                |                                |                                | Install<br>lbs (N)  | Long Term<br>lbs (N) | Install inches<br>(mm) | Long Term<br>inches (mm) |
| 1100631M1 | 6           | 0.40 (11)                      | 0.80 (20)                      | 209 (311)                      | 600 (2700)          | 200 (890)            | 9.2 (236)              | 4.6 (118)                |
| 110123TM1 | 12          | 0.40 (11)                      | 0.80 (20)                      | 209 (311)                      | 600 (2700)          | 200 (890)            | 9.2 (236)              | 4.6 (118)                |
| 110243TM1 | 24          | 0.40 (11)                      | 0.80 (20)                      | 209 (311)                      | 600 (2700)          | 200 (890)            | 9.2 (236)              | 4.6 (118)                |
| 110363TM1 | 36          | 0.40 (11)                      | 0.80 (20)                      | 209 (311)                      | 600 (2700)          | 200 (890)            | 9.2 (236)              | 4.6 (118)                |
| 1104831M1 | 48          | 0.40 (11)                      | 0.80 (20)                      | 209 (311)                      | 600 (2700)          | 200 (890)            | 9.2 (236)              | 4.6 (118)                |
| 1107231M1 | 72          | 0.48 (12)                      | 0.94 (24)                      | 226 (336)                      | 600 (2700)          | 200 (890)            | 10.0 (256)             | 5.0 (128)                |
| 1109631M1 | 96          | 0.55 (13)                      | 1.01 (26)                      | 250 (372)                      | 600 (2700)          | 200 (890)            | 11.6 (294)             | 5.8 (147)                |
| 1112031M1 | 120         | 0.60 (15)                      | 1.06 (27)                      | 279 (415)                      | 600 (2700)          | 200 (890)            | 13.4 (338)             | 6.7 (169)                |

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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