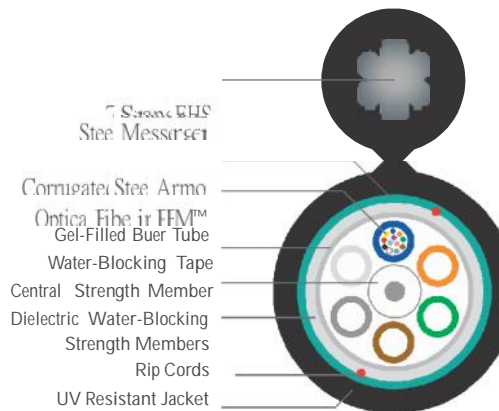


LOOSE TUBE SINGLE JACKET SINGLE ARMOR SELF SUPPORT

Series 12M



Product Description

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) 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. 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 oscillating lay (ROL) and wrapped with flexible strength members covered with a water-blocking tape. A corrugated steel armor is applied and then encased in a black jacket with an integrated EHS steel messenger. Rip cords are included under the armor for ease of entry.

Applications

- Aerial self support
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

Features

- Available with up to 120-fiber
- Multiple fiber types including hybrids
- Dry (SAP) core standard
- Corrugated steel armor
- Utilizes standard pole attachment hardware
- PFM gel

Benefits

- High fiber density
- Multiple network applications
- Reduces cable prep and installation time
- Improves compressive strength and rodent protection
- Standard installation practices
- Non-sticky gel speeds fiber access and clean-up

Specifications

| | |
|----------------------|---|
| Fiber Count | Available in 6-fiber up to 120-fiber Telecordia GR-20-CORE RDUP PE-90 Designation MLT-8 |
| Standards Compliance | 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 ¹ | Fiber Count | Dimensions | | Nominal Weight lbs/kft (kg/km) | Fiber Cable Component Maximum Tensile Loading | | Support Messenger Breaking Strength lbs | Minimum Bend Radius | |
|--------------------------|-------------|------------------|------------------|-----------------------------------|--|----------------------|---|---------------------|----------------------|
| | | Minor in (mm) | Major in (mm) | | Install lbs (N) | Long Term lbs (N) | | Install in (mm) | Long Term in (mm) |
| 112006xxM1 | 6 | 0.46 (11.7) | 0.94 (24.0) | 249 (371) | 600 (2,700) | 200 (890) | 6,650 | 9.2 (234) | 4.6 (117) |
| 112012xxM1 | 12 | 0.46 (11.7) | 0.94 (24.0) | 249 (371) | 600 (2,700) | 200 (890) | 6,650 | 9.2 (234) | 4.6 (117) |
| 112024xxM1 | 24 | 0.46 (11.7) | 0.94 (24.0) | 249 (371) | 600 (2,700) | 200 (890) | 6,650 | 9.2 (234) | 4.6 (117) |
| 112036xxM1 | 36 | 0.46 (11.7) | 0.94 (24.0) | 249 (371) | 600 (2,700) | 200 (890) | 6,650 | 9.2 (234) | 4.6 (117) |
| 112048xxM1 | 48 | 0.46 (11.7) | 0.94 (24.0) | 249 (371) | 600 (2,700) | 200 (890) | 6,650 | 9.2 (234) | 4.6 (117) |
| 112072xxM1 | 72 | 0.49 (12.3) | 0.99 (25.0) | 266 (396) | 600 (2,700) | 200 (890) | 6,650 | 9.8 (246) | 4.9 (123) |
| 112096xxM1 | 96 | 0.56 (14.3) | 1.09 (28.0) | 306 (455) | 600 (2,700) | 200 (890) | 6,650 | 11.2 (286) | 5.6 (143) |
| 112120xxM1 | 120 | 0.63 (16.0) | 1.23 (31.0) | 378 (562) | 600 (2,700) | 200 (890) | 6,650 | 12.6 (320) | 6.3 (160) |

Part Number Key

| | | | | | | | | |
|----------------|-----------------------|------------|---------------------|-------------------------------|---|---|---|---|
| 1 | 2 | - | - | - | x | x | M | - |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Product family | Fiber count (006-120) | 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.657A1 | G.657A2 | G.657B3 | NZDS |
| 'For ≤ 36 fibers replace "xx" with: | 9T | 3T | 2T | KT | JT | LT | 8T |
| 'For > 36 fibers replace "xx" with: | 91 | 31 | 21 | K1 | J1 | L1 | 81 |

Multimode Optical Fiber Types

TeraGain

'Replace "xx" with:

Created with