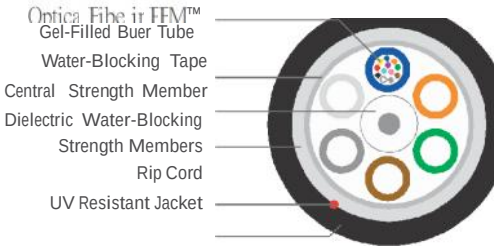
# LOOSE TUBE SINGLE JACKET ALL DIELECTRIC

Series 11

Besten Wire and Cable Corporation




## Product Description

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. The rugged loose tube design offers reliable transmission performance over a broad temperature range. Optical fibers are placed inside filled buffer tubes containing PFM™ gel. The core is constructed by stranding the buffer tubes around a central member using a reverse oscillating lay (ROL). The core is wrapped with flexible strength members covered with a water-blocking tape, then encased with a black jacket. A rip cord is included under the jacket for ease of entry.

## Applications

- Underground duct and lashed aerial
- Trunk, distribution and feeder cable
- Local loop, metro, long-haul and broadband network

## Features

- Available with up to 288-fiber
- Multiple fiber types including hybrids
- Central strength members available in metallic or dielectric
- Dry (SAP) core standard
- Standard tube size for all fiber counts
- 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
- Non-sticky gel speeds fiber access and cleanup

## Specifications

| | |
|---|---|
| Fiber Count | Available in 2-fiber up to 288-fiber |
| Standards Compliance | Telcordia GR-20-CORE<br>RDUP PE-90 Designation MLT<br>ICEA S-87-640-2006<br>RoHS-compliant |

## Environmental Specifications

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

## Part Numbers and Physical Characteristics

| | | | | Maximum Tensile Loading | | Minimum Bend Radius | |
|---|---|---|---|---|---|---|---|
| Part Number[1] | Fiber Count | Nominal Diameter in (mm) | Approx. Weight lbs/kft (kg/km) | Install lbs (N) | Long Term lbs (N) | Install in (mm) | Long Term in (mm) |
| 111006xx01 | 6 | 0.41 (10.3) | 47 (70) | 600 (2,700) | 200 (890) | 8.2 (206) | 4.1 (103) |
| 111012xx01 | 12 | 0.41 (10.3) | 47 (70) | 600 (2,700) | 200 (890) | 8.2 (206) | 4.1 (103) |
| 111024xx01 | 24 | 0.41 (10.3) | 47 (70) | 600 (2,700) | 200 (890) | 8.2 (206) | 4.1 (103) |
| 111036xx01 | 36 | 0.41 (10.3) | 47 (70) | 600 (2,700) | 200 (890) | 8.2 (206) | 4.1 (103) |
| 111048xx01 | 48 | 0.41 (10.3) | 47 (70) | 600 (2,700) | 200 (890) | 8.2 (206) | 4.1 (103) |
| 111072xx01 | 72 | 0.43 (11.0) | 61 (91) | 600 (2,700) | 200 (890) | 8.6 (220) | 4.3 (110) |
| 111096xx01 | 96 | 0.50 (12.7) | 79 (118) | 600 (2,700) | 200 (890) | 10.0 (254) | 5.0 (127) |
| 111144xx01 | 144 | 0.63 (16.0) | 124 (185) | 600 (2,700) | 200 (890) | 12.6 (320) | 6.3 (160) |
| 111216xx01 | 216 | 0.63 (16.0) | 120 (179) | 600 (2,700) | 200 (890) | 12.6 (320) | 6.3 (160) |
| 111288xx01 | 288 | 0.74 (18.9) | 161 (240) | 600 (2,700) | 200 (890) | 14.8 (378) | 7.4 (189) |

## Part Number Key

| 1 | 1 | _ | _ | _ | x | x | 0 | _ |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Product family | | Fiber count (002-288) | | | 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

| | | Reduced Water Peak | Zero Water Peak | TeraFlex® Bend Resistant | | | |
|---|---|---|---|---|---|---|---|
| | Conventional | | | G.657.A1 | G.657.A2 | G.657.B3 | NZDS |
| [1]For ≤ 36 fibers replace "xx" with: | 9T | 3T | 2T | KT | JT | LT | 8T |
| [1]For > 36 fibers replace "xx" with: | 91 | 31 | 21 | K1 | J1 | L1 | 81 |

## Multimode Optical Fiber Types

| | | TeraGain Laser Optimized 50/125 | | |
|---|---|---|---|---|
| | TeraGain® 62.5/125 | 10G/150 | 10G/300 | 10G/550 |
| [1]Replace "xx" with: | | | | |