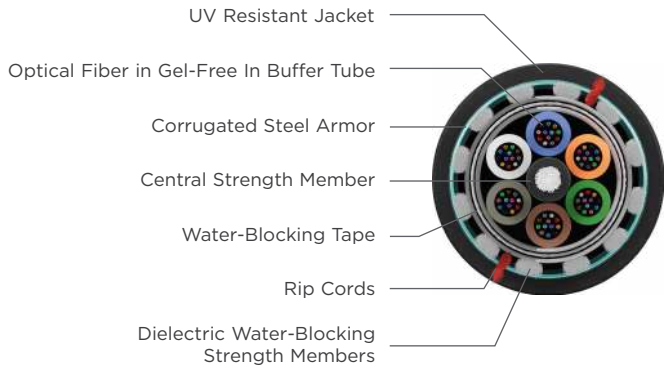
# Dri-Lite® Loose Tube Single Jacket Single Armor

Series 12D


## PRODUCT DESCRIPTION

Loose tube cables are the product of choice as the backbone in Outside Plant (OSP) environments. The durable loose tube design offers reliable transmission performance over a broad temperature range. Optical fibers and water-blocking elements are placed inside gel-free buffer tubes. 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. A corrugated steel armor is applied and then encased with a black jacket. Rip cords are included under the armor for ease of entry.

## APPLICATIONS

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

| FEATURES | BENEFITS |
|---|---|
| • Available with up to 432-fiber | • High fiber density |
| • Multiple fiber types including composites | • Multiple network applications |
| • Dry (SAP) core standard | • Reduces cable prep and installation time |
| • Standard tube size for all fiber counts | • Reduces the number of tools required |
| • Corrugated steel armor | • Improves compressive strength and rodent protection |
| • Gel-free tubes | • Speeds fiber access and cleanup |

## SPECIFICATIONS

| | |
|---|---|
| Fiber Count | Available in 6-fiber up to 432-fiber |
| Standards Compliance | Telcordia® GR-20-CORE<br>RDUP PE-90 Designation MLT<br>ICEA S-87-640-2011<br>RoHS-compliant |

*Telcordia is a registered trademark of Ericsson Inc.*

## ENVIRONMENTAL SPECIFICATIONS

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

## PART NUMBER KEY

| 1 | 2 | _ | _ | _ | x | D | 0 | y |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Product family | | Fiber count (006–432) | | | Fiber type | Internal designator | | Water block/ marking (1-8) |

*Contact Customer Service for availability of non-standard offerings.*

## WATER BLOCK AND JACKET PRINT CODES

| | Dry core | | Dry core special | |
|---|---|---|---|---|
| | Feet | Meters | Feet | Meters |
| [1]Replace "y" with: | 1 | 2 | 5 | 6 |

## 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) |
| 12006xd0y | 6 | 0.46 (11.7) | 84 (125) | 600 (2,700) | 200 (890) | 9.2 (234) | 4.6 (177) |
| 12012xD0y | 12 | 0.46 (11.7) | 84 (125) | 600 (2,700) | 200 (890) | 9.2 (234) | 4.6 (117) |
| 12024xD0y | 24 | 0.46 (11.7) | 84 (125) | 600 (2,700) | 200 (890) | 9.2 (234) | 4.6 (117) |
| 12036xD0y | 36 | 0.46 (11.7) | 84 (125) | 600 (2,700) | 200 (890) | 9.2 (234) | 4.6 (117) |
| 12048xD0y | 48 | 0.46 (11.7) | 84 (125) | 600 (2,700) | 200 (890) | 9.2 (234) | 4.6 (117) |
| 12072xD0y | 72 | 0.49 (12.3) | 100 (149) | 600 (2,700) | 200 (890) | 9.8 (246) | 4.9 (123) |
| 12096xD0y | 96 | 0.56 (14.3) | 125 (186) | 600 (2,700) | 200 (890) | 11.2 (286) | 5.6 (143) |
| 12144xD0y | 144 | 0.69 (17.6) | 182 (271) | 600 (2,700) | 200 (890) | 13.8 (352) | 6.9 (176) |
| 12192xD0y | 192 | 0.69 (17.6) | 177 (264) | 600 (2,700) | 200 (890) | 13.8 (352) | 6.9 (176) |
| 12216xD0y | 216 | 0.69 (17.6) | 177 (264) | 600 (2,700) | 200 (890) | 13.8 (352) | 6.9 (176) |
| 12288xD0y | 288 | 0.80 (20.3) | 228 (340) | 600 (2,700) | 200 (890) | 16.0 (406) | 8.0 (203) |
| 12432xD0y | 432 | 0.91 (21.0) | 273.7 (407.4) | 600 (2,700) | 200 (890) | 18.2 (460) | 9.2 (234) |

## FIBER TYPES:

### SINGLE MODE

| | Reduced Water Peak | Zero Water Peak | TeraFlex® Bend Resistant | | | | |
|---|---|---|---|---|---|---|---|
| | | | G.657.A1 | G.657.A2 | G.657.B3 | NZDS | LEAF |
| [1]Replace "x" with: | 3 | 2 | K | J | L | 8 | S |

### MULTIMODE

| TeraGain® | TeraFlex Bend Resistant Laser Optimized 50/125 | | |
|---|---|---|---|
| 62.5/125 | 10G/150 | 10G/300 | 10G/550 |
| 6 | M | N | P |

*See "Optical Fiber Specifications" in the "Technical Info" section for detailed fiber type specifications.*



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