DRI-LITE® LOOSE TUBE SINGLE JACKET SINGLE ARMOR
Series 12D

Besten
Wire and Cable Corporation

- Corrugated Steel Armor
- Optical Fiber in Gel-Free Buffer Tube
- Water-Blocking Tape
- Central Strength Member
- Dielectric Water-Blocking Strength Members
- Rip Cords
- UV Resistant Jacket
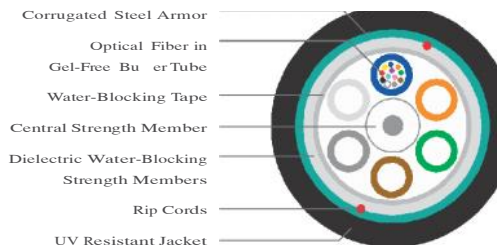
Product Description

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 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

- Available with up to 288-fiber
- Multiple fiber types including hybrids
- Dry (SAP) core standard
- Standard tube size for all fiber counts
- Corrugated steel armor
- Gel-free tubes

Benefits

- High fiber density
- Multiple network applications
- Reduces cable prep and installation time
- Reduces the number of tools required
- Improves compressive strength and rodent protection
- Speeds fiber access and cleanup

Specifications

Fiber Count	Available in 12-fiber up to 288-fiber
Standards Compliance	Telcordia GR-20-CORE RDUP PE-90 Designation MLT 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	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Maximum Tensile Loading Install lbs (N)	Maximum Tensile Loading Long Term lbs (N)	Minimum Bend Radius Install in (mm)	Minimum Bend Radius Long Term in (mm)
112012xD01	12	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
112024xD01	24	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
112036xD01	36	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
112048xD01	48	0.46 (11.7)	84 (125)	600 (2,700)	200 (890)	9.2 (234)	4.6 (117)
112072xD01	72	0.49 (12.3)	100 (149)	600 (2,700)	200 (890)	9.8 (246)	4.9 (123)
112096xD01	96	0.56 (14.3)	125 (186)	600 (2,700)	200 (890)	11.2 (286)	5.6 (143)
112144xD01	144	0.69 (17.6)	182 (271)	600 (2,700)	200 (890)	13.8 (352)	6.9 (176)
112216xD01	216	0.69 (17.6)	177 (264)	600 (2,700)	200 (890)	13.8 (352)	6.9 (176)
112288xD01	288	0.80 (20.3)	228 (340)	600 (2,700)	200 (890)	16.0 (406)	8.0 (203)

Part Number Key

1	2	_	_	_	x	D	0	_
1	2	3	4	5	6	7	8	9
Product family		Fiber count (012-288)			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

	Conventional	Reduced Water Peak	Zero Water Peak	TeraFlex® Bend Resistant G.657.A1	TeraFlex® Bend Resistant G.657.A2	TeraFlex® Bend Resistant G.657.B3
[1] Replace "x" with:	9	3	2	K	J	

Multimode Optical Fiber Types

	TeraGain® 62.5/125	TeraGain Laser Optimized 50/125 10G/150	10G/300	10G/550
[1] Replace "x" with:	L	6	A	B	F