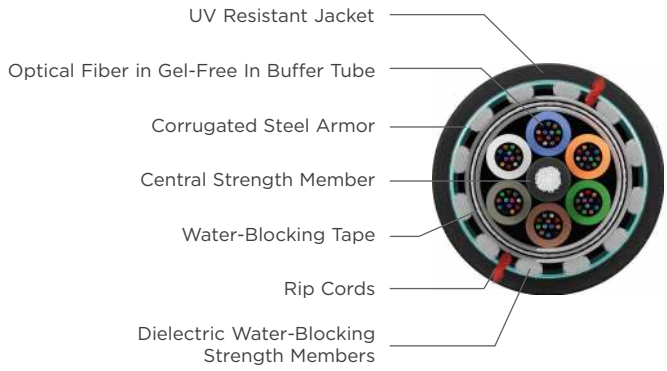
Dri-Lite® Loose Tube Single Jacket Single Armor

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 RDUP PE-90 Designation MLT ICEA S-87-640-2011 RoHS-compliant

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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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