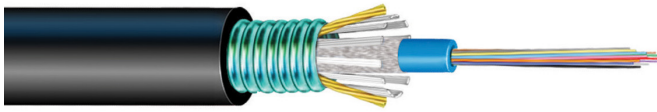


Central Loose Tube 600

Central Loose Tube Cable (Dry or Gel)



MDPE Outer Jacket

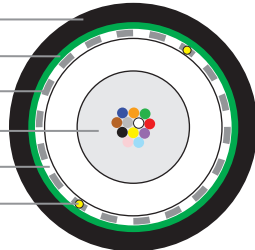
Corrugated Steel Armor

Water Blocking Strength Members

Dry or Gel Buffer Tube

Water Blocking Tape

Ripcords



OVERVIEW

Prysmian's Central Loose Tube 600 Cable packs all the benefits and performance packed into an efficient design with a single central loose tube with ezPrep® armor. A better fit and cost-effective alternative for low fiber count designs, this central loose tube cable provides easy cable entry and flexible routing for multi-purpose installation of up to 12 fibers.

SPECIFICATIONS / RATINGS

Applications Multi-purpose outdoor, aerial lashed, duct, direct buried

Constructions Central loose tube, armored (single or double)

Fiber Count 2 to 12 fibers

Fiber Types Single-mode, multimode, hybrid

Options Dry or gel

Similar Alternatives Central loose tube 300, / ExpressLT™ / LT 2.0 / indoor-outdoor

Standards ANSI/ICEA 640, IEC 60794-3-11, ANSI/ICEA S-110-717-2003, RUS 7 CFR 1755.903 (RUS Listed), Telcordia GR-20

Performance BABA Compliance available upon request

Registered Supplier ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



FEATURES AND BENEFITS

Easy Cable Entry and Preparation

- ezPrep® armor greatly improves mid-entry
- The jacket can be easily separated from the armor
- Ripcord speeds cable entry & outer jacket removal
- Flexible buffer tube simplifies routing & splicing preparation
- Single buffer tube eliminates removal of empty filler tubes
- Optional dry buffer tube allows easy and faster cable preparation

Flexible Routing and Termination

- Single 3.0 mm polypropylene buffer tube reduces size & bend diameter
- Flexible strength members bend in any direction
- Available with bend insensitive single-mode fiber
- Up to 20' of express buffer tube storage
- Armored cable access, bonding and grounding are faster, easier and safer

Multi-Purpose Installation & Use

- Suitable for aerial lashed, duct, and direct buried installation
- Small diameter and light weight, extends reel and installation lengths
- ezPrep® corrugated steel tape armor provides mechanical protection and rodent resistance



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Central Loose Tube 600

Central Loose Tube Cable (Dry or Gel)



Fiber Count Range	Recommended Fiber Count	Recommended Part Number		Tube Construction	Diameter		Approx. Cable Wt.		Bend Radius Load		Bend Radius No Load		Max. Reel Length	
		Prysmian*	General Cable**		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
Single Armor, Single Jacket - Dry														
2 to 12	6	D6H1A1J-12-AA-006-BB	—	Dry	0.38	9.7	63	94	8	20	6	15	41,010	12,500
	12	D6H1A1J-12-AA-012-BB	—											
Single Armor, Single Jacket - Gel														
2 to 12	6	C6H1A1J-12-AA-006-BB	XX0064UNFS	Gel	0.38	9.7	64	95	8	20	6	15	41,010	12,500
	12	C6H1A1J-12-AA-012-BB	XX0124UNFS											
Double Armor, Double Jacket - Gel														
2 to 12	6	C6H2A2J-12-AA-006-BB	—	Gel	0.57	14.5	142	211	12	29	9	22	41,010	12,500
	12	C6H2A2J-12-AA-012-BB	—											

* Where AA equals glass type and BB equals attenuation ** Where XX equals glass type

Installation

Maximum installation load: 600 lbf (2700 N)
Maximum operation load: 180 lbf (800 N)

Temperature Range

Shipping and Storage: -40° F to +167° F (-40° C to +75° C)
Installation: -22° F to +140° F (-30° C to +60° C)
Operation: -40° F to +158° F (-40° C to +70° C)

Mechanical Performance (per ICEA 640 and Telcordia GR20)

Minimum installation bend radius: 20 times the cable diameter
Minimum operating bend radius: 10 times the cable diameter
Short Term Compression: 220 N/cm over 10 cm (125 lb/in over 4 inches)
Long Term Compression: 110 N/cm over 10 cm (62.5 lb/in over 4 inches)
Impact Load: 4.4 Nm

Ordering Guide

The Prysmian part number incorporates several significant attributes involving cable design and optical performance. The appropriate part number can be configured using the process described below

Example: Central Loose Tube 600, Single Armor Single Jacket (12 Fibers/Tube) with 12 BendBright Single-mode Fibers (printed in feet)

1	LENGTH MARKINGS	2	PRODUCT FAMILY	3	CONSTRUCTION	4	FIBER GROUPING	5	FIBER TYPE	6	FIBER COUNT	7	FIBER GRADE
	F		C6H		1A1J		12		BB		012		E1

PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet, M = Meters or B = BABA Compliant in Feet	
2	PRODUCT FAMILY
D6H = Central Loose Tube 600, Dry Tube	
C6H = Central Loose Tube 600, Gel Tube	
3	CONSTRUCTION
1A1J = Single Armor, Single Jacket	
2A2J = Double Armor, Dual Jacket (Gel Tube Only)	
4	FIBER GROUPING
12 = 12f per tube	

Other cable constructions and fiber performance grades available on request.

FIBER INFORMATION				
5	FIBER TYPE			
SINGLE-MODE				
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)				
BB = BendBright Single-Mode (ITU G.657.A1 & G.652.D)				
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)				
BX = BendBrightXS Single-Mode (ITU G.657.A2 & B2 & G.652.D)				
MULTIMODE		Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)
G6 = OM1 (62.5µm)		850/1300	200/500	300/550
G5 = OM2+ BIF (50µm)		850/1300	700/500	800
G3 = OM3 BIF (50µm)		850/1300	1500/500	1000
G4 = OM4 BIF (50µm)		850/1300	3500/500	1100
6	FIBER COUNT			
2 to 12 fibers				
7	FIBER GRADE			
SINGLE-MODE				
Attenuation (dB/km)		Wavelength (nm)		Fiber Type
E1 = 0.40/0.40/0.30		1310/1383/1550		B1, BB, B2, CY, or BX
E3 = 0.35/0.35/0.25		1310/1383/1550		B1, BB, B2, CY, or BX
MULTIMODE				
Attenuation (dB/km)		Wavelength (nm)		
M2 = 3.5/1.0		850/1300		
M3 = 3.0/1.0		850/1300		



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