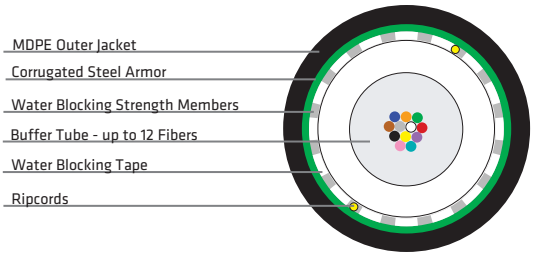
Prysmian Group

PRYSMIAN
Draka
General Cable

Central Loose Tube 300

Central loose tube cable (gel or dry)



Economical armored protection for lower fiber counts, ideal for multi-purpose aerial and underground use near the network edge

Overview

Prysmian's Central Loose Tube 300 cable is an excellent cost effective 300 lb tensile rated design for low fiber counts and provides flexible routing including multi-purpose drop applications.

Product Snapshot

Applications	Multi-purpose outdoor – aerial lashed, duct, direct buried
Constructions	Central loose tube, armored (single jacket)
Fiber Count	1 to 12 fibers
Fiber Types	Bend-insensitive single-mode (standard), multimode
Options	Ripcords, gel or dry
Similar Alternatives	Central loose tube / ExpressLT / LT 2.0 / indoor-outdoor/ Flat Drop
Performance	ANSI/ICEA S-110-717, RUS 7 CFR 1755.903 (RUS Listed), Telcordia GR-20
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001

RUS LISTED

Features and Benefits

Easy Cable Entry and Preparation

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

Flexible Routing and Termination

- Single central buffer tube reduces size and bend diameter
- Flexible strength members bend in any direction
- Standard bend-insensitive single-mode fiber

Multi-purpose Installation and Use

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

Reliable Lifetime Performance

- Guaranteed standards-based performance

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Nominal Design Parameters

Fiber Count	Tube Construction	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius LOAD inches (cm)	Bend Radius NO LOAD inches (cm)	Maximum Reel Length Feet (Meters)
1 to 12	Gel Tube	0.38 (9.7)	57 (85)	8 (20)	6 (15)	41,010 (12,500)
1 to 12	Dry Tube	0.38 (9.7)	56 (83)	8 (20)	6 (15)	41,010 (12,500)

Installation
Maximum installation load: 300 lbf (1335 N)
Maximum operation load: 90 lbf (400 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)

ORDERING GUIDE

The Prysmian Group 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 300, single armor single jacket (12 fibers/tube) with 12 bend-insensitive single-mode fibers in a gel tube, no ripcord.

1 LENGTH MARKINGS	2 PRODUCT FAMILY	3 CONSTRUCTION	4 FIBER GROUPING	5 FIBER TYPE	6 FIBER COUNT	7 FIBER GRADE
F	C3H	1A1J	12	B1	012	E3

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS

F = Feet or M = Meters

2 PRODUCT FAMILY

C3H = Central Loose Tube 300 Without Ripcord
C3R = Central Loose Tube 300 With Ripcord
D3H = Central Loose Tube 300 Dry Without Ripcord
D3R = Central Loose Tube 300 Dry With Ripcord

3 CONSTRUCTION

1A1J = Single Armor, Single Jacket

4 FIBER GROUPING

12 = 12f per tube

FIBER INFORMATION

5 FIBER TYPE

SINGLE-MODE

B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & B2 & G.652.D)

MULTIMODE	Wavelength (nm)	Bandwidth (MHz)	1 GbE Dist (m)	10 GbE Dist (m)
G6 = OM1 (62.5µm)	850/1300	200/500	300/550	33/___
G5 = OM2+ BIF (50µm)	850/1300	700/500	800	150/___
G3 = OM3 BIF (50µm)	850/1300	1500/500	1000	300/___
G4 = OM4 BIF (50µm)	850/1300	3500/500	1100	550/___

6 FIBER COUNT

001 to 12 fibers

7 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type	MULTIMODE Attenuation (dB/km)	Wavelength (nm)
E1 = 0.40/0.40/0.30	1310/1383/1550	B1 or B2	M2 = 3.5/1.0	850/1300
E3 = 0.35/0.35/0.25	1310/1383/1550	B1 or B2	M3 = 3.0/1.0	850/1300

Other cable constructions and fiber performance grades available on request.

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