

ezMICROUNITUBE™

Central Tube Cable



Simple Central tube design with flexible access for up to 24 fibers

Overview

Prysmian's ezMICROUNITUBE cables combine fiber bundles into a single central buffer tube. Users gain quick access to all fibers, with fiber bundles separated by color-coded binder threads. All ezMICROUNITUBE cables utilize longitudinal strength members for robust tensile strength and antibuckling. The combination of adhesive armor, a flexible core tube, swellable water-blocking, and exclusive ColorLock fiber coating make ezMICROUNITUBE the easiest central tube cable to access and prep.

Product Snapshot

Applications	Multi-purpose Outdoor – Aerial Lashed, Duct, Direct Buried
Constructions	Dielectric, Armored
Fiber Count	2 to 24 fibers in Fiber Bundles Separated by Color-coded Binder Threads
Fiber Types	Single-mode (ESMF, BendBright®, BendBright-XS, NZDSF-LA, TeraLight®) / Multimode / Hybrid
Performance	ANSI / ICEA, IEC 640, RUS 7 CFR 755 (RUS Listed), Telcordia GR-20

RUS LISTED

Features and Benefits

Easy Cable Entry & Preparation

- Adhesive bond armor greatly improves mid-entry
- Ripcord speeds cable entry & outer jacket removal
- Single core tube allows quick access to fibers
- Flexible Routing and Termination
- Single central buffer tube reduces size & bend diameter
- Quick access to all fibers
- Available BendBright & BendBright-XS bend tolerant single-mode fiber

Multi-purpose Installation & Use

- Suitable for aerial lashed, duct, & direct buried installation
- Small diameter & light weight extend installation lengths
- Corrugated steel tape armor provides mechanical protection & rodent resistance (armored version)

Reliable Lifetime Performance

- Exclusive ColorLock® fiber coating (single-mode) for permanent embedded color & long-term performance
- Proven water-blocking with swellable core tape and gel filled buffer tube
- Guaranteed standards-based performance

ezMICRODUCT™

Jetted Microduct Loose Tube Cable

ezMICROUNITUBE

Dielectric (UMH1JKT)

Fiber Count	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 12	0.35 (8.8)	40 (60)	7 (18)	4 (9)

Armored (SP) (UMH1A1)

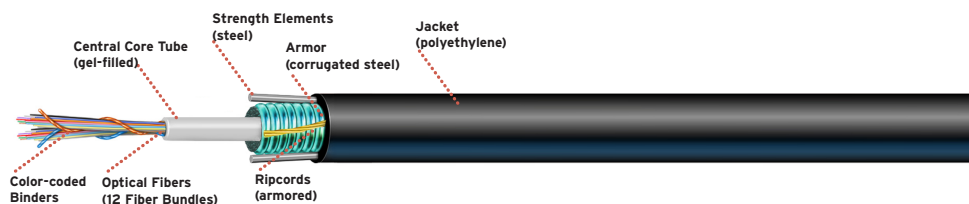
Fiber Count	Diameter inches (mm)	Cable Weight lb/kft (kg/km)	Bend Radius Load inches (cm)	Bend Radius No Load inches (cm)
2 to 24	0.41 (10.3)	77 (114)	8 (21)	6 (15)

Installation

Maximum installation load: 600 lbf (2670 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)



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: ezMICROUNITUBE, Single Armor Single Jacket (12 Fibers/Bundle) with 24 ESMF 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	UMH	1A1J	12	ES	024	E1

PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	F = Feet or M = Meters
2 PRODUCT FAMILY	UMH = ezMICROUNITUBE
3 CONSTRUCTION	1JKT = Single Jacket (2 to 12f) 1A1J = Single Armor, Single Jacket (2 to 24f)
4 FIBER GROUPING	12 = 12f per unit or tube

FIBER INFORMATION				
5 FIBER TYPE				
SINGLE-MODE				
ES = Enhanced Single-Mode (ITU G.652 C & D)				
BB = BendBright Single-Mode (ITU G.657.A1 & G.652.D)				
BX = BendBrightXS Single-Mode (ITU G.657.A2 & B2 & G.652.D)				
TU = TeraLight Ultra Single-Mode				
LA = NZDSF-LA Single-Mode				
MULTIMODE	Wavelength (nm)	Bandwidth (MHz)	1 Gbe Dist (m)	10 Gbe Dist (m)
6S = OM1 (62.5µm)	850/1300	200/500	300/550	33/___
5E = MaxCap-BB-OM2+ (50µm)	850/1300	700/500	800/550	150/___
5F = MaxCap-BB-OM3 (50µm)	850/1300	1500/500	1000/550	300/___
5G = MaxCap-BB-OM4 (50µm)	850/1300	3500/500	1100/550	550/___
6 FIBER COUNT				
002 to 24 fibers				
7 FIBER GRADE				
SINGLE-MODE				
Attenuation (dB/km)	Wavelength (nm)			
E1 = 0.4/0.4/0.3	1310/1383/1550 Enhanced Single-Mode			
E3 = 0.35/0.35/0.25	1310/1383/1550 Enhanced Single-Mode			
E3 = 0.35/0.35/0.25	1310/1383/1550 BendBright Single-Mode			
E3 = 0.35/0.35/0.25	1310/1383/1550 BendBrightXS Single-Mode			
NA = 0.40/0.25	1310/1550 TeraLight Ultra Single-Mode			
N1 = 0.25	1550 NZDSF-LA Single-Mode			
MULTIMODE				
Attenuation (dB/km)	Wavelength (nm)			
M2 = 3.5/1.0	850/1300 OM1 (62.5µm)			
M3 = 3.0/1.0	850/1300 MaxCap-BB-OM2+ (50µm)			
M3 = 3.0/1.0	850/1300 MaxCap-BB-OM3 (50µm)			
M3 = 3.0/1.0	850/1300 MaxCap-BB-OM4 (50µm)			
Other cable constructions and fiber performance grades available on request.				

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