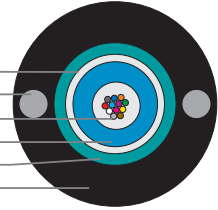


ezMICROUNITUBE™

Central Tube Cable



Dry Water Blocking Material
Strength Member(s)
Optical Fibers
Gel-Filled Buffer Tube
Armor (optional)
MDPE Outer Jacket



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 anti-buckling. Steel member are used with armored cable, dielectric is used with non-armored cable. The combination of adhesive armor, a flexible core tube, swellable water-blocking make ezMICROUNITUBE™ the easiest central tube cable to access and preparation.

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 / bend-insensitive / NZDSF / multimode / hybrid
Performance	ANSI / ICEA 640, RUS 7 CFR 755 (RUS Listed), Telcordia GR-20

Features and Benefits

Easy Cable Entry and Preparation

- Adhesive bond armor (armored version) 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 and bend diameter
- Quick access to all fibers
- Bend-insensitive single-mode fiber option

Multi-Purpose Installation and 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

- Proven water-blocking with swellable core tape and gel-filled buffer tube
- Guaranteed standards-based performance



Nominal Design Parameters

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 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	HB	024	E3

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

HB = Single-Mode (ITU G.652 C & D) Low Water Peak
 ES = Enhanced Single-Mode (ITU G.652 C & D)
 CE = Corning™ SMF28e+ 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 024 fibers

7 FIBER GRADE

SINGLE-MODE			MULTIMODE		
Attenuation (dB/km)	Wavelength (nm)	Fiber Type	Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, or CE	M2 = 3.5/1.0	850/1300	OM1 (62.5µm)
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, B1 or B2	M3 = 3.0/1.0	850/1300	OM2+, OM3, OM4 (50µm)

Other cable constructions and fiber performance grades available on request.