

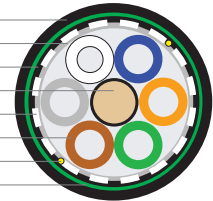


ExpressLT™

Gel-Filled Loose Tube Cable (2.5mm)



- MDPE Outer Jacket
- Water Blocking Tape
- MDPE Inner Jacket (Double Jacket Designs Only)
- Central Strength Member
- Outer Strength Members (where applicable)
- Gel-Filled Buffer Tube Containing up to 12 Fibers
- Ripcord
- ezPREP® Corrugated Steel Armor (optional)



A versatile, multi-purpose fiber cable designed for ease of use and Buffer Tube Mid-Span Storage applications

Overview

Prysmian's popular ExpressLT™ cable combines gel-filled buffer tubes with enhanced flexibility, a dry water-blocked core, and optional ezPREP® armor. The buffer tubes are also rated for mid-span storage applications. This combination of features makes ExpressLT™ an ideal solution for applications requiring frequent sheath access and express tube storage.

Product Snapshot

Applications	Multi-Purpose Outdoor, Aerial Lashed, Duct, Direct Buried (when armored)
Constructions	Dielectric, Armored, Double Armored, Dual Jacket
Count	4 to 432 Fibers in Color-coded Buffer Tubes
Fiber Types	Single-Mode, Multimode, Bend-Insensitive SM, NZDS
Options	Steel Central Member, 22 or 24 AWG Copper Pair(s), 16 AWG Tonewire, Striped Jacket, Factory-Installed Pulling Eye
Similar Alternatives	Gel-free Buffer Tubes / LT 2.0 / Heavy Duty Central / Indoor-Outdoor / Indoor / Self-support / Microduct
Performance	Tested in accordance with TIA 455 series FOTPs for fiber optic cables. Complies with ICEA640, RUS 7 CFR 1755 (PE90 listed), Telcordia GR-20, and IEC 60794-3-11

Features and Benefits

Easy Cable Entry and Preparation

- Dry water-blocked core speeds cable access
- Available with ezPREP® armor to allow easy access to the core in mid-sheath entries
- Reverse oscillating stranded core facilitates mid-span access of fibers. Tubes can easily be removed from the core
- Ripcord speeds cable entry & outer jacket removal

Available with ezPREP® Armor

- The jacket can be easily separated from the armor without a heat gun or torch
- Armored cable access, bonding and grounding are faster, easier and safer

Flexible Routing and Termination

- Buffer tubes can be stored in FTtx pedestals, closures and cabinets in lengths up to 20'
- 2.5mm buffer tubes with enhanced flexibility simplify routing & splice preparation

Multi-Purpose Design

- Suitable for aerial lashed, duct, and direct buried installation (when armored)
- Small diameter and light weight, extends reel and installation lengths
- Proven water-blocking with swellable core elements and gel-filled buffer tubes
- Optional ezPREP® corrugated steel tape armor provides mechanical protection and rodent resistance

RUS LISTED

Prysmian Group
700 Industrial Drive | Lexington, SC 29072
+1-800-879-9862 | +1-800-669-0808 | website: na.prysmiangroup.com/telecom

Express® LT

Loose Tube Cable

Dielectric (Non-Armored) (ETH1JKT)

Fiber Count	# of Buffer Tubes	Diameter Inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
4 to 60	5	0.40 (10.1)	46 (69)	8 (20)	4 (10)
62 to 72	6	0.43 (10.9)	55 (81)	8 (22)	4 (11)
74 to 96	8	0.50 (12.6)	71 (105)	10 (25)	5 (13)
98 to 120	10	0.55 (14.1)	88 (131)	11 (28)	6 (14)
122 to 144	12	0.63 (15.9)	117 (174)	13 (32)	6 (16)
146 to 216	18	0.63 (15.9)	120 (179)	13 (32)	6 (16)
218 to 264	22	0.68 (17.3)	143 (212)	14 (35)	7 (17)
266 to 288	24	0.72 (18.3)	162 (240)	14 (37)	7 (18)
290 to 432	36	0.80 (20.4)	210 (313)	16 (41)	8 (21)

Single Jacket Armored (SP) (ETH1A1)

Fiber Count	# of Buffer Tubes	Diameter Inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
4 to 60	5	0.46 (11.8)	92 (137)	9 (24)	5 (12)
62 to 72	6	0.50 (12.6)	101 (157)	10 (25)	5 (13)
74 to 96	8	0.56 (14.3)	121 (180)	11 (29)	6 (14)
98 to 120	10	0.62 (15.8)	150 (223)	12 (32)	6 (16)
122 to 144	12	0.69 (17.6)	188 (280)	14 (35)	7 (18)
146 to 216	18	0.70 (17.9)	183 (272)	14 (36)	7 (18)
218 to 264	22	0.76 (19.4)	205 (305)	15 (39)	8 (19)
266 to 288	24	0.81 (20.7)	224 (334)	16 (42)	8 (21)
290 to 432	36	0.90 (23.0)	277 (412)	18 (46)	9 (23)

Double Jacket Armored (PSP) (ETH1A2)

Fiber Count	# of Buffer Tubes	Diameter Inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
4 to 60	5	0.53 (13.5)	111 (165)	11 (27)	5 (14)
62 to 72	6	0.55 (14.0)	121 (180)	11 (28)	5 (14)
74 to 96	8	0.61 (15.5)	143 (212)	12 (31)	6 (16)
98 to 120	10	0.67 (17.1)	174 (259)	13 (34)	7 (17)
122 to 144	12	0.74 (18.9)	210 (312)	15 (38)	7 (19)
146 to 216	18	0.76 (19.2)	210 (312)	15 (38)	8 (19)
218 to 264	22	0.80 (20.4)	235 (349)	16 (41)	8 (20)
266 to 288	24	0.86 (21.9)	255 (380)	17 (44)	9 (22)
290 to 432	36	0.94 (24.0)	312 (464)	19 (48)	9 (24)

Express® LT

Loose Tube Cable

Dielectric Double Jacket (PDP) (ETHNA2)

Fiber Count	# of Buffer Tubes	Diameter Inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
4 to 60	5	0.46 (11.7)	68 (101)	9 (23)	5 (12)
62 to 72	6	0.48 (12.2)	78 (116)	10 (25)	5 (12)
74 to 96	8	0.54 (13.8)	97 (144)	11 (28)	5 (14)
98 to 120	10	0.61 (15.4)	121 (180)	12 (31)	6 (15)
122 to 144	12	0.67 (17.1)	145 (216)	13 (34)	7 (17)
146 to 216	18	0.67 (17.1)	154 (228)	13 (34)	7 (17)
218 to 264	22	0.74 (18.7)	179 (266)	15 (37)	7 (19)
266 to 288	24	0.78 (19.8)	200 (298)	16 (40)	8 (20)

Double Jacket Double Armored (SPSP) (ETH2A2)

Fiber Count	# of Buffer Tubes	Diameter Inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
4 to 60	5	0.64 (16.3)	186 (277)	13 (33)	6 (16)
62 to 72	6	0.67 (17.1)	198 (295)	13 (34)	7 (17)
74 to 96	8	0.75 (19.1)	231 (344)	15 (38)	8 (19)
98 to 120	10	0.80 (20.4)	265 (394)	16 (41)	8 (20)
122 to 144	12	0.88 (22.4)	325 (483)	18 (45)	9 (22)
146 to 216	18	0.88 (22.4)	317 (472)	18 (45)	9 (22)
218 to 264	22	0.94 (23.9)	353 (525)	19 (48)	9 (24)
266 to 288	24	0.98 (24.9)	384 (571)	20 (50)	10 (25)

Triple Jacket Double Armored (PSPSP) (ETH2A3)

Fiber Count	# of Buffer Tubes	Diameter Inches (mm)	Approximate Cable Weight lb/kft (kg/km)	Bend Radius Load Inches (cm)	Bend Radius No Load Inches (cm)
4 to 60	5	0.70 (17.8)	218 (325)	14 (36)	7 (18)
62 to 72	6	0.73 (18.6)	232 (345)	15 (37)	7 (19)
74 to 96	8	0.79 (20.1)	270 (402)	16 (40)	8 (20)
98 to 120	10	0.86 (21.9)	320 (476)	17 (43)	9 (22)
122 to 144	12	0.83 (23.7)	379 (564)	19 (47)	9 (24)
146 to 216	18	0.93 (23.7)	379 (564)	19 (47)	9 (24)
218 to 264	22	0.98 (25.0)	417 (620)	20 (50)	10 (25)
266 to 288	24	1.02 (26.0)	446 (663)	20 (52)	10 (26)

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: Express LT Gel-Filled Tubes | Single Armor Single Jacket (12 Fibers/Tube) with 72 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	ETH	1A1J	12	HB	072	E3

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS
F = Feet or M = Meters
2 PRODUCT FAMILY
ETH = ExpressLT™ Gel-Filled Tubes
3 CONSTRUCTION
1JKT = Single Jacket
1A1J = Single Armor, Single Jacket
1A2J = Single Armor, Dual Jacket
2A2J = Double Armor, Dual Jacket
2A3J = Double Armor, Triple Jacket
NA2J = Non Armored, Dual Jacket
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			
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 (ITU G.655 & G.656)			
LA = NZDSF-LA Single-Mode (ITU G.655)			
LE = LEAF NZDSF (ITU G.655)			
MULTIMODE			
Wavelength (nm)	Bandwidth (MHz)	1 CbE Dist (m)	10 CbE 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			
004 to 432 fibers			
7 FIBER GRADE			
SINGLE-MODE			
Attenuation (dB/km)	Wavelength (nm)	Fiber Type	
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, or CE	
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, or CE	
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 or LEAF Single-Mode	
MULTIMODE			
Attenuation (dB/km)	Wavelength (nm)		
M2 = 3.5/1.0	850/1300		
M3 = 3.0/1.0	850/1300		
Other cable constructions and fiber performance grades available on request.			

© DRAKA & PRYSMIAN - Brands of The Prysmian Group. 2013 All Right Reserved. The information contained within this document must not be copied, reprinted or reproduced in any form, either wholly or in part, without the written consent of Prysmian Group. The information is believed correct at the time of issue. Prysmian Group reserves the right to amend any specifications without notice. These specifications are not contractually valid unless specifically authorized by Prysmian Group. Issued November 2013.