

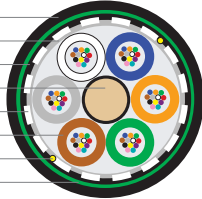
ExpressLT™ Dry

Dry loose tube cable (2.5 mm)

Prysmian



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



OVERVIEW

Prysmian's popular ExpressLT™ cable combines buffer tubes with enhanced flexibility, a completely dry water-blocking system, 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.

SPECIFICATIONS / RATINGS

Applications	Multi-purpose outdoor, aerial lashed, duct, direct buried (when armored)
Constructions	Dielectric, armored, double armored, dual jacket
Fiber Count	4 to 432 fibers in color-coded buffer tubes
Fiber Types	Single-mode, multimode, bend-insensitive SM, NZDS
Options	Steel central member, 24 AWG copper pair, 16 AWG tonewire, striped jacket, factory-installed pulling eye
Similar Alternatives	Gel buffer tubes / LT 2.0 / heavy duty / central / indoor-outdoor / indoor / self-support / microduct
Standards	Tested in accordance with TIA 455 series FOTPs for fiber optic cables. Complies with ICEA 640, RUS 7 CFR 1755 (PE90 listed), Telcordia GR-20, and IEC 60794-3-11
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



FEATURES AND BENEFITS

Easy Cable Entry and Preparation

- Dry water-blocked core speeds cable access
- Dry water-blocked tubes reduce prep time by an average of 15 minutes per cable end
- 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'
- 2.5 mm 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
- Optional ezPREP® corrugated steel tape armor provides mechanical protection and rodent resistance

Prysmian

A Brand of Prysmian Group

Dielectric (Non-Armored) (EDH1JKT)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		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
6 to 60	6	EDH1JKT-12-AA-006-BB	XX0064M1A-DT	5	0.40	10.1	43	64	8	20	4	10	59,054	18,000
	12	EDH1JKT-12-AA-012-BB	XX0124M1A-DT											
	24	EDH1JKT-12-AA-024-BB	XX0244M1A-DT											
	36	EDH1JKT-12-AA-036-BB	XX0364M1A-DT											
	48	EDH1JKT-12-AA-048-BB	XX0484M1A-DT											
72	72	EDH1JKT-12-AA-072-BB	XX0724M1A-DT	6	0.43	10.9	50	75	8	22	4	11	59,054	18,000
84 to 96	96	EDH1JKT-12-AA-096-BB	XX0964M1A-DT	8	0.50	12.6	65	97	10	25	5	13	59,054	18,000
108 to 120	120	EDH1JKT-12-AA-120-BB	XX1204M1A-DT	10	0.55	14.1	81	121	11	28	6	14	59,054	18,000
132 to 144	144	EDH1JKT-12-AA-144-BB	XX1444M1A-DT	12	0.63	15.9	105	156	13	32	6	16	48,528	14,792
156 to 216	216	EDH1JKT-12-AA-216-BB	XX2164M1A-DT	18	0.63	15.9	105	156	13	32	6	16	48,528	14,792
228 to 264	264	EDH1JKT-12-AA-264-BB	XX2644M1A-DT	22	0.68	17.3	128	190	14	35	7	17	41,010	12,500
276 to 288	288	EDH1JKT-12-AA-288-BB	XX2884M1A-DT	24	0.74	18.8	145	216	14	37	7	18	39,820	12,139
290 to 432	432	EDH1JKT-12-AA-432-BB	XX4324M1A-DT	36	0.80	20.4	154	229	16	41	8	21	31,095	9,479

Single Jacket Armored (SP) (EDH1A1J)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		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
6 to 60	6	EDH1A1J-12-AA-006-BB	XX0064M1F-DT	5	0.46	11.8	89	132	9	24	5	12	59,054	18,000
	12	EDH1A1J-12-AA-012-BB	XX0124M1F-DT											
	24	EDH1A1J-12-AA-024-BB	XX0244M1F-DT											
	36	EDH1A1J-12-AA-036-BB	XX0364M1F-DT											
	48	EDH1A1J-12-AA-048-BB	XX0484M1F-DT											
72	72	EDH1A1J-12-AA-072-BB	XX0724M1F-DT	6	0.50	12.6	97	145	10	25	5	13	59,054	18,000
84 to 96	96	EDH1A1J-12-AA-096-BB	XX0964M1F-DT	8	0.56	14.3	125	186	11	29	6	14	59,054	18,000
108 to 120	120	EDH1A1J-12-AA-120-BB	XX1204M1F-DT	10	0.63	15.9	148	220	12	32	6	16	48,528	14,792
132 to 144	144	EDH1A1J-12-AA-144-BB	XX1444M1F-DT	12	0.69	17.6	176	262	14	35	7	18	41,010	12,500
156 to 216	216	EDH1A1J-12-AA-216-BB	XX2164M1F-DT	18	0.70	17.9	176	262	14	36	7	18	41,010	12,500
228 to 264	264	EDH1A1J-12-AA-264-BB	XX2644M1F-DT	22	0.76	19.4	196	291	15	39	8	19	35,306	10,762
276 to 288	288	EDH1A1J-12-AA-288-BB	XX2884M1F-DT	24	0.81	20.7	214	319	16	42	8	21	29,386	8,958
290 to 432	432	EDH1A1J-12-AA-432-BB	XX4324M1F-DT	36	0.90	23.0	230	342	18	46	9	23	24,054	7,332

Double Jacket Single Armored (PSP) (EDH1A2J)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		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
6 to 60	6	EDH1A2J-12-AA-006-BB	XX0064H1F-DT	5	0.53	13.5	107	160	11	27	5	14	59,054	18,000
	12	EDH1A2J-12-AA-012-BB	XX00124H1F-DT											
	24	EDH1A2J-12-AA-024-BB	XX00244H1F-DT											
	36	EDH1A2J-12-AA-036-BB	XX00364H1F-DT											
	48	EDH1A2J-12-AA-048-BB	XX00484H1F-DT											
72	72	EDH1A2J-12-AA-072-BB	XX00724H1F-DT	6	0.55	14.0	122	181	11	28	5	14	59,054	18,000
84 to 96	96	EDH1A2J-12-AA-096-BB	XX00964H1F-DT	8	0.61	15.5	137	204	12	31	6	16	53,510	16,310
108 to 120	120	EDH1A2J-12-AA-120-BB	XX1204H1F-DT	10	0.67	17.1	167	249	13	34	7	17	43,104	13,139
132 to 144	144	EDH1A2J-12-AA-144-BB	XX1444H1F-DT	12	0.74	18.9	198	294	15	38	7	19	35,816	10,918
156 to 216	216	EDH1A2J-12-AA-216-BB	XX2164H1F-DT	18	0.76	19.2	198	294	15	38	8	19	35,688	10,879
228 to 264	264	EDH1A2J-12-AA-264-BB	XX2644H1F-DT	22	0.80	20.4	220	327	16	41	8	20	31,446	9,586
276 to 288	288	EDH1A2J-12-AA-288-BB	XX2884H1F-DT	24	0.86	21.8	239	356	17	44	9	22	29,088	8,867
290 to 432	432	EDH1A2J-12-AA-432-BB	XX4324H1F-DT	36	0.94	24.0	257	382	19	48	9	24	22,400	6,828

* Where AA equals glass type and BB equals attenuation

** Where XX equals glass type

Dielectric Double Jacket (PDP) (EDHNA2J)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		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
6 to 60	6	EDHNA2J-12-AA-006-BB	XX0064H1A-DT	5	0.46	11.7	63	96	9	23	5	12	41,010	12,500
	12	EDHNA2J-12-AA-012-BB	XX0124H1A-DT											
	24	EDHNA2J-12-AA-024-BB	XX0244H1A-DT											
	36	EDHNA2J-12-AA-036-BB	XX0364H1A-DT											
	48	EDHNA2J-12-AA-048-BB	XX0484H1A-DT											
72	72	EDHNA2J-12-AA-072-BB	XX0724H1A-DT	6	0.48	12.2	73	108	10	25	5	12	41,010	12,500
84 to 96	96	EDHNA2J-12-AA-096-BB	XX0964H1A-DT	8	0.54	13.8	89	133	11	28	5	14	41,010	12,500
108 to 120	120	EDHNA2J-12-AA-120-BB	XX1204H1A-DT	10	0.61	15.4	111	165	12	31	6	15	41,010	12,500
132 to 144	144	EDHNA2J-12-AA-144-BB	XX1444H1A-DT	12	0.67	17.1	133	198	13	34	7	17	41,010	12,500
156 to 216	216	EDHNA2J-12-AA-216-BB	XX2164H1A-DT	18	0.67	17.1	137	204	13	34	7	17	41,010	12,500
228 to 264	264	EDHNA2J-12-AA-264-BB	XX2644H1A-DT	22	0.74	18.7	159	237	15	37	7	19	36,138	11,016
276 to 288	288	EDHNA2J-12-AA-288-BB	XX2884H1A-DT	24	0.78	19.8	179	266	16	40	8	20	33,220	10,126

Double Jacket Double Armored (SPSP) (EDH2A2J)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		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
6 to 60	6	EDH2A2J-12-AA-006-BB	XX0064H1S-DT	5	0.64	16.3	182	272	13	33	6	16	41,010	12,500
	12	EDH2A2J-12-AA-012-BB	XX0124H1S-DT											
	24	EDH2A2J-12-AA-024-BB	XX0244H1S-DT											
	36	EDH2A2J-12-AA-036-BB	XX0364H1S-DT											
	48	EDH2A2J-12-AA-048-BB	XX0484H1S-DT											
72	72	EDH2A2J-12-AA-072-BB	XX0724H1S-DT	6	0.67	17.1	194	289	13	34	7	17	41,010	12,500
84 to 96	96	EDH2A2J-12-AA-096-BB	XX0964H1S-DT	8	0.75	19.1	226	336	15	38	8	19	35,306	10,762
108 to 120	120	EDH2A2J-12-AA-120-BB	XX1204H1S-DT	10	0.80	20.4	258	384	16	41	8	20	31,096	9,479
132 to 144	144	EDH2A2J-12-AA-144-BB	XX1444H1S-DT	12	0.88	22.4	312	465	18	45	9	22	25,630	7,813
156 to 216	216	EDH2A2J-12-AA-216-BB	XX2164H1S-DT	18	0.88	22.4	305	454	18	45	9	22	25,630	7,813
228 to 264	264	EDH2A2J-12-AA-264-BB	XX2644H1S-DT	22	0.94	23.9	338	503	19	48	9	24	22,400	6,828
276 to 288	288	EDH2A2J-12-AA-288-BB	XX2884H1S-DT	24	0.98	24.9	368	547	20	50	10	25	20,282	6,182

Triple Jacket Double Armored (PSPSP) (EDH2A3J)

Fiber Count Range	Recommended Fiber Count	Recommended Part Number		# of Buffer Tubes	Diameter		Approx. Cable Weight		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
6 to 60	6	EDH2A3J-12-AA-006-BB	XX0064E1S-DT	5	0.70	17.8	215	320	14	36	7	18	40,248	12,268
	12	EDH2A3J-12-AA-012-BB	XX0124E1S-DT											
	24	EDH2A3J-12-AA-024-BB	XX0244E1S-DT											
	36	EDH2A3J-12-AA-036-BB	XX0364E1S-DT											
	48	EDH2A3J-12-AA-048-BB	XX0484E1S-DT											
72	72	EDH2A3J-12-AA-072-BB	XX0724E1S-DT	6	0.73	18.6	228	339	15	37	7	19	35,654	10,868
84 to 96	96	EDH2A3J-12-AA-096-BB	XX0964E1S-DT	8	0.78	19.9	265	394	16	40	8	20	31,852	9,709
108 to 120	120	EDH2A3J-12-AA-120-BB	XX1204E1S-DT	10	0.86	21.9	313	466	17	43	9	22	27,160	8,279
132 to 144	144	EDH2A3J-12-AA-144-BB	XX1444E1S-DT	12	0.93	23.7	367	546	19	47	9	24	22,330	6,807
156 to 216	216	EDH2A3J-12-AA-216-BB	XX2164E1S-DT	18	0.93	23.7	367	546	19	47	9	24	22,330	6,807
228 to 264	264	EDH2A3J-12-AA-264-BB	XX2644E1S-DT	22	0.98	25.0	402	598	20	50	10	25	20,312	6,192
276 to 288	288	EDH2A3J-12-AA-288-BB	XX2884E1S-DT	24	1.02	26.0	429	639	20	52	10	26	18,680	5,694

* 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 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: ExpressLT™ dry (gel-free) | 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	EDH	1A1J	12	HB	072	E3

PART NUMBER CONSTRUCTION	
1 LENGTH MARKINGS	
	F = Feet or M = Meters
2 PRODUCT FAMILY	
	EDH = ExpressLT™ Dry
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 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)				
BU = Bend-Insensitive Single-Mode (ITU G.657.A1+ & G.652.D)				
DU = BendBright+ Single-Mode (ITU G.657.A1+ & G.652.D)				
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)				
LE = LEAF NZDSF (ITU G.655)				
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) ¹	850/1300	700/500	800	150/___
G3 = OM3 BIF (50µm) ¹	850/1300	1500/500	1000	300/___
G4 = OM4 BIF (50µm) ¹	850/1300	3500/500	1100	550/___
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, CE, B1, BU, DU, or B2	
N1 = 0.25	1550		LE	
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.

Note 1: 50µm fiber is limited to a maximum of 144 fibers.