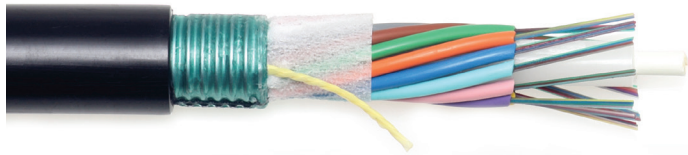
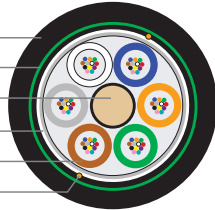


LT 2.0 with Bend Insensitive Fiber

Dry loose tube cable



MDPE Outer Jacket
ezPrep® Corrugated Steel Armor (optional)
Central Strength Member
Water Blocking Tape
2.0 mm Dry Buffer Tube
Ripcord



OVERVIEW

A compact, bend-optimized solution for the outside plant, LT2.0 is a multi-purpose loose tube cable offering a 10% to 20% reduction in diameter depending on the design and up to 30% reduction in weight while meeting or exceeding RUS/RDUP and GR20 industry standards. This product platform utilizes ITU G657.A2 bend-insensitive single-mode fiber to deliver superior bending tolerance and cold temperature performance.

SPECIFICATIONS / RATINGS

Applications	Multi-purpose outdoor, aerial lashed, duct, direct buried
Constructions	Dielectric, armored, double armored, dual jacket (armored designs)
Fiber Count	4 to 456 fibers in color-coded buffer tubes
Fiber Types	G657.A2 bend-insensitive single-mode
Options	Gel buffer tubes
Similar Alternatives	Loose tube with 2.5 buffer tubes for indoor, outdoor, or indoor-outdoor applications
Standards	ICEA 640, RUS 7 CFR 1755, Telcordia GR-20, and IEC 60794-3-11
Registered Supplier	ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



FEATURES AND BENEFITS

Up to 20% Smaller Than Standard Loose Tube cable

- Counts up to 456 can be placed in a 1-inch duct
- Smaller, less-expensive duct can be used
- Can be placed into occupied ducts

Improved reel capacities

- Up to 40% more cable on a reel
- Longer lengths can be installed from the same reel or smaller, lighter reels can be used
- Saves money on storage & overcomes pay-off limitations

Up to 30% Lighter Than Standard Loose Tube Cable

- Easier to handle during installation
- Less load on aerial structures
- Further reduces total weight (reel + cable)

Smaller Cable Bend Radius

- Easier to install in tight spaces
- Allows use of smaller pedestals and hand-holes

RDUP/RUS PE90 Compliant Cable and Buffer Tube

- Up to 16 feet of tube can be stored in closures

Smaller Buffer Tube Bend Radius

- Flexible 2.0 mm tube is highly kink-resistant
- Can be stored in a 20 mm radius
- More tube can be stored in a small space
- Allows use of smaller splice trays and closures

Bend-Insensitive Fiber

- ITU G657.A2 fiber is rated for bends down to 7.5 mm
- Fully compliant to G.652.D SSMF specs
- Complies with G.657.A2

Improved Cable Entry and Preparation

- Dry option simplifies access and clean-up
- ezPREP® armor greatly improves mid-sheath cable entry
- Dual ripcords speed armored cable entry and outer jacket removal
- Dry core design speeds cable preparation

LT 2.0 with Bend Insensitive Fiber

Dry loose tube cable



All-Dielectric (Non-Armored) Dry Tube (E2D1JKT)

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*		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 to 72	6	E2D1JKT-12-AA-006-BB	6	0.37	9.5	41	61	8	19	4	10	41,010	12,500
	12	E2D1JKT-12-AA-012-BB											
	24	E2D1JKT-12-AA-024-BB											
	36	E2D1JKT-12-AA-036-BB											
	48	E2D1JKT-12-AA-048-BB											
	72	E2D1JKT-12-AA-072-BB											
74 to 96	96	E2D1JKT-12-AA-096-BB	8	0.42	10.6	50	75	8	21	4	11	41,010	12,500
98 to 120	120	E2D1JKT-12-AA-120-BB	10	0.45	11.5	59	88	9	23	5	12	41,010	12,500
122 to 144	144	E2D1JKT-12-AA-144-BB	12	0.50	12.7	73	108	10	25	5	13	41,010	12,500
156 to 216	216	E2D1JKT-12-AA-216-BB	18	0.53	13.4	75	112	11	27	5	13	41,010	12,500
228 to 264	264	E2D1JKT-12-AA-264-BB	22	0.56	14.1	84	125	11	28	6	14	41,010	12,500
276 to 288	288	E2D1JKT-12-AA-288-BB	24	0.58	14.7	92	136	12	29	6	15	41,010	12,500
290 to 456	432	E2D1JKT-12-AA-432-BB	38	0.70	17.8	130	194	14	35	7	18	40,248	12,268

Single Jacket Armored (SP) Dry Tube (E2D1AIJ)

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*		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 to 72	6	E2D1AIJ-12-AA-006-BB	6	0.44	11.2	85	127	9	22	4	11	41,010	12,500
	12	E2D1AIJ-12-AA-012-BB											
	24	E2D1AIJ-12-AA-024-BB											
	36	E2D1AIJ-12-AA-036-BB											
	48	E2D1AIJ-12-AA-048-BB											
	72	E2D1AIJ-12-AA-072-BB											
74 to 96	96	E2D1AIJ-12-AA-096-BB	8	0.48	12.2	101	151	10	24	5	12	41,010	12,500
98 to 120	120	E2D1AIJ-12-AA-120-BB	10	0.54	13.8	124	185	11	28	5	14	41,010	12,500
122 to 144	144	E2D1AIJ-12-AA-144-BB	12	0.60	15.3	144	215	12	31	6	15	41,010	12,500
156 to 216	216	E2D1AIJ-12-AA-216-BB	18	0.60	15.3	137	204	12	31	6	15	41,010	12,500
228 to 264	264	E2D1AIJ-12-AA-264-BB	22	0.64	16.3	158	235	13	33	6	16	41,010	12,500
276 to 288	288	E2D1AIJ-12-AA-288-BB	24	0.66	16.8	165	245	14	35	7	17	41,010	12,500
290 to 456	432	E2D1AIJ-12-AA-432-BB	38	0.76	19.4	201	299	15	39	8	19	33,506	10,213

Double Jacket Single Armored (PSP) Dry Tube (E2D1A2J)

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*		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 to 72	6	E2D1A2J-12-AA-006-BB	6	0.49	12.5	100	150	10	25	5	13	41,010	12,500
	12	E2D1A2J-12-AA-012-BB											
	24	E2D1A2J-12-AA-024-BB											
	36	E2D1A2J-12-AA-036-BB											
	48	E2D1A2J-12-AA-048-BB											
	72	E2D1A2J-12-AA-072-BB											
74 to 96	96	E2D1A2J-12-AA-096-BB	8	0.52	13.3	111	165	10	27	5	13	41,010	12,500
98 to 120	120	E2D1A2J-12-AA-120-BB	10	0.58	14.8	134	200	12	30	6	15	41,010	12,500
122 to 144	144	E2D1A2J-12-AA-144-BB	12	0.62	15.8	151	225	12	32	6	16	41,010	12,500
156 to 216	216	E2D1A2J-12-AA-216-BB	18	0.63	16.1	151	225	13	32	6	16	41,010	12,500
228 to 264	264	E2D1A2J-12-AA-264-BB	22	0.68	17.3	170	253	14	35	7	17	41,010	12,500
276 to 288	288	E2D1A2J-12-AA-288-BB	24	0.72	18.3	177	264	14	36	7	18	37,916	11,557
290 to 456	432	E2D1A2J-12-AA-432-BB	36	0.82	20.9	228	339	16	42	8	21	29,793	8,990

* Where AA equals glass type and BB equals attenuation



Prysmian

4 Tessenere Drive, Highland Heights, KY 41076
na.prysmian.com
TLS-DS-A-104 0524

LT 2.0 with Bend Insensitive Fiber

Dry loose tube cable



Dielectric Double Jacket (PDP) Dry Tube (E2DNA2J)

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*		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 to 72	6	E2DNA2J-12-AA-006-BB	6	0.42	10.8	54	80	8	22	4	11	41,010	12,500
	12	E2DNA2J-12-AA-012-BB											
	24	E2DNA2J-12-AA-024-BB											
	36	E2DNA2J-12-AA-036-BB											
	48	E2DNA2J-12-AA-048-BB											
74 to 96	96	E2DNA2J-12-AA-072-BB	8	0.47	12.0	66	97	9	24	5	12	41,010	12,500
98 to 120	120	E2DNA2J-12-AA-120-BB	10	0.52	13.5	81	120	10	27	5	13	41,010	12,500
122 to 144	144	E2DNA2J-12-AA-144-BB	12	0.57	14.5	97	144	11	29	6	15	41,010	12,500
156 to 216	216	E2DNA2J-12-AA-216-BB	18	0.57	14.5	97	144	11	29	6	15	41,010	12,500
218 to 264	264	E2DNA2J-12-AA-264-BB	22	0.63	15.9	110	164	13	32	6	16	41,010	12,500
266 to 288	288	E2DNA2J-12-AA-288-BB	24	0.65	16.5	119	178	13	33	7	17	41,010	12,500

Double Jacket Double Armored (SPSP) Dry Tube (E2D2A2J)

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*		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 to 72	6	E2D2A2J-12-AA-006-BB	6	0.63	16.1	178	264	13	32	6	16	41,010	12,500
	12	E2D2A2J-12-AA-012-BB											
	24	E2D2A2J-12-AA-024-BB											
	36	E2D2A2J-12-AA-036-BB											
	48	E2D2A2J-12-AA-048-BB											
74 to 96	96	E2D2A2J-12-AA-072-BB	8	0.67	17.1	203	302	13	34	7	17	41,010	12,500
98 to 120	120	E2D2A2J-12-AA-120-BB	10	0.73	18.6	239	355	15	37	7	19	37,570	11,452
122 to 144	144	E2D2A2J-12-AA-144-BB	12	0.79	20.1	270	402	16	40	8	20	31,446	9,586
156 to 216	216	E2D2A2J-12-AA-216-BB	18	0.79	20.1	263	391	16	40	8	20	31,446	9,586
218 to 264	264	E2D2A2J-12-AA-264-BB	22	0.83	21.1	291	433	17	42	8	21	29,088	8,867
266 to 288	288	E2D2A2J-12-AA-288-BB	24	0.85	21.6	304	452	17	43	9	22	27,510	8,386

Triple Jacket Double Armored (PSPSP) Dry Tube (E2D2A3J)

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*		Inches	mm	lb/kft	kg/km	Inches	cm	inches	cm	feet	meters
6 to 72	6	E2D2A3J-12-AA-006-BB	6	0.68	17.3	202	301	14	35	7	17	41,010	12,500
	12	E2D2A3J-12-AA-012-BB											
	24	E2D2A3J-12-AA-024-BB											
	36	E2D2A3J-12-AA-036-BB											
	48	E2D2A3J-12-AA-048-BB											
74 to 96	96	E2D2A3J-12-AA-072-BB	8	0.71	18.1	221	329	14	36	7	18	39,906	12,164
98 to 120	120	E2D2A3J-12-AA-120-BB	10	0.77	19.6	255	379	15	39	8	20	33,636	10,253
122 to 144	144	E2D2A3J-12-AA-144-BB	12	0.81	20.6	277	412	16	41	8	21	29,840	9,096
156 to 216	216	E2D2A3J-12-AA-216-BB	18	0.88	22.4	278	414	18	45	9	22	25,630	7,813
218 to 264	264	E2D2A3J-12-AA-264-BB	22	0.87	22.1	306	456	17	44	9	22	25,974	7,917
266 to 288	288	E2D2A3J-12-AA-288-BB	24	0.91	23.2	316	470	18	45	9	23	23,784	7,250

* Where AA equals glass type and BB equals attenuation

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 +158° F (-30° C to +70° 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



LT 2.0 with Bend Insensitive Fiber

Dry loose tube cable



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: LT2.0 dry | single armor, single jacket (12 fibers/tube) with 72 bend-insensitive 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	–	E2D		1A1J	–	12	–	B2	–	072	–	E3

PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
E2D = LT 2.0 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	
B2 = Bend-Insensitive Single-Mode (ITU G.657.A2 & .B2, & G.652.D)	
BX = BendBrightXS Single-Mode (ITU G.657.A2 & B2 & G.652.D)	
6	FIBER COUNT
004 to 456 fibers	
7	FIBER GRADE
SINGLE-MODE	
Max. Attenuation (dB/km)	Wavelength (nm)
E3 = 0.35/0.35/0.25	1310/1383/1550

Other cable constructions and fiber performance grades available on request.