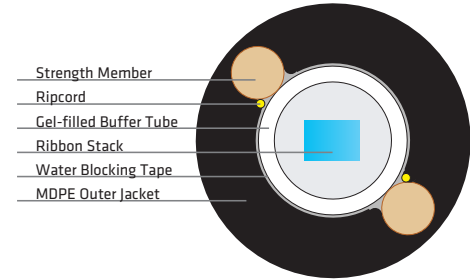




FusionLink™ RICT

Ribbon central tube (gel) cable



Features and Benefits

Compact Design

- Efficient packaging of higher fiber counts
- Lightweight and easy to handle during installation

Easily Removable Ribbon Matrix

- Allows for ease of stripping and fiber breakout
- Improves mid-span strippability

Precision Ribbon Geometry

- Time and labor savings during fiber splicing

Flexible Buffer Tube

- Superior kink resistance
- Increased flexibility
- Facilitates route management in closures

Dry Water-Blocking Technology

- Permits rapid cable preparation and termination
- Water-blocking materials are easily removed

All-Dielectric Strength Elements

- Jacket can be removed from the end in a single step
- Mid-span access is safer and easier

Performance

- Meets or exceeds the requirements of Telcordia GR-20 & ICEA 640 and is tested in accordance with relevant EIA/TIA-455 series FOTPs for fiber optic cables
- RDUP listed (tested in accordance with PE-90)

Registered Supplier

- ISO 9001, ISO 14001, TL 9000, and OHSAS 18001



PERFORMANCE SPECIFICATIONS		
Bend Radius		
Dynamic	20 x Cable OD	
Static	10 x Cable OD	
Tensile Rating		
	N	lbf
Installation	2700	600
Residual	800	180
Crush Resistance		
	N/cm	lbf/in
Short/ Long Term	220/110	125/63
Temperature Ratings		
	°C	°F
Operation	-40 to +70	-40 to +158
Installation	-30 to +60	-22 to +140
Storage/Shipping	-40 to +75	-40 to +167

Nominal Design Parameters

Fiber Count		12-72	84-96	108-144	156-216	240-432*	456-576*	612-864*
Ribbon Count		1-6	7-8	9-12	13-18	10-18	19-24	17-24
Fibers/Ribbon		12	12	12	12	24	24	36
Buffer Tube OD	(mm)	6.2	8.4	9.9	11.0	14.3	15.4	17.9
	(inches)	0.24	0.33	0.39	0.43	0.56	0.61	0.70
Cable OD	(mm)	12.9	15.1	16.6	17.7	21.0	20.0	22.7
	(inches)	0.51	0.59	0.65	0.70	0.83	0.79	0.89
Cable Weight	(kg/km)	130	173	207	247	370	374	424
	(lb/kft)	87	116	139	166	249	251	285
Max. Length	(m)	11,821	10,470	9,162	9,162	5,445	5,445	3,267
	(ft)	38,773	34,342	30,051	30,051	17,864	17,864	10,718

* Note: This design uses 24 fiber ribbons for counts of 240 to 576 and 36 fiber ribbons for 612 to 864 fibers.
Please refer to ribbon in loose tube designs for higher fiber counts using 12 fiber ribbons.
If on reel attuation testing is required for the 612-864 fiber designs, a reel with 60" drum must be specified on the order.

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: 96 count FusionLink™ cable with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation. (printed in feet)



PART NUMBER CONSTRUCTION	
1	LENGTH MARKINGS
F = Feet or M = Meters	
2	PRODUCT FAMILY
RCG = FusionLink RICT	
3	CONSTRUCTION
1JKT = Single Jacket	
4	FIBER GROUPING
12 = 12f Ribbons	
24 = 24f Ribbons	
36 = 36f Ribbons	

Note: Please refer to the Fiber Code Addendum for additional fiber options, or contact us for help.

FIBER INFORMATION		
5	FIBER TYPE	
SINGLE-MODE		
HB = Single-Mode (ITU G.652 C & D) Low Water Peak		
CE = Corning® SMF28e+ Single-Mode		
B1 = Bend-Insensitive Single-Mode (ITU G.657.A1 & G.652.D)		
CU = Corning™ Ultra Single-Mode (ITU G.657.A1 & G.652.D)		
6	FIBER COUNT	
012 to 864 fibers		
7	FIBER GRADE	
SINGLE-MODE		
Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, CE, B1, or CU
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, CE, B1, or CU