Prysmian Group

PRYSMIAN

Draka

COLink RCLT™ Ribbon Distribution
Central tube high count indoor cable

Flame Retardant Jacket
Buffer Tube
Ribbon Stack
Ripcord
Strength Yarns
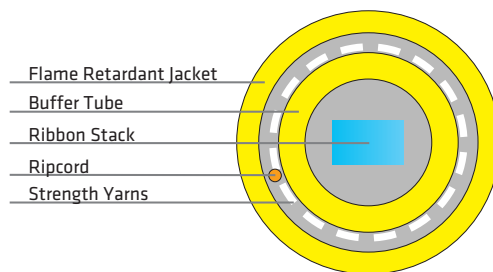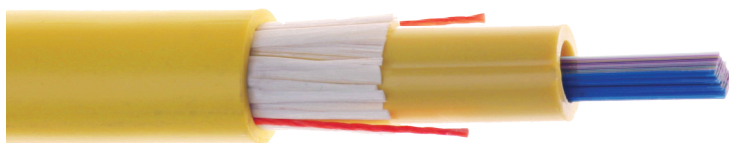
Features and Benefits

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 breakout

Precision Ribbon Geometry

- Time and labor savings during fiber splicing
- Superior fiber alignment produces low skew and ease of connectorization

UL and c(UL) Listed

- OFNR and OFN-FT4 rated for riser applications
- OFNP and OFN-FT6 rated for plenum applications

Variety of Options

- Single-mode, multimode and mixed fiber versions
- Other custom options available

Performance

- Tested in accordance with GR-409 & ICEA-S-83-596
- Color coding and ribbon markings as per TIA-598C
- Complies with ANSI/EIA/TIA 568C.3
- The complete cable and all subcomponents are RoHS-compliant

Registered Supplier

- ISO 9001, ISO 14001, and TL 9000

RoHS COMPLIANT

PERFORMANCE SPECIFICATIONS				
Bend Radius	**RISER**		**PLENUM**	
Dynamic	20 x Cable OD		20 x Cable OD	
Static	10 x Cable OD		10 x Cable OD	
Tensile Rating	**N**	**lbf**	**N**	**lbf**
Installation	1320	300	660	148
Residual	330	75	165	37
Crush Resistance	**N/cm**	**lbf/in**	**N/cm**	**lbf/in**
	100	57	100	57
Temperature Ratings	**°C**	**°F**	**°C**	**°F**
Operation	-20 to +70	-4 to +158	-20 to +70	-4 to +158
Installation	-20 to +70	-4 to +158	0 to +60	+32 to +140
Storage/Shipping	-40 to +70	-40 to +158	-40 to +70	-40 to +158

COLink RCLT™ Ribbon Distribution
Cable for indoor applications

Nominal Design Parameters

Flame Rating		Riser UL 1666	Riser UL 1666	Riser UL 1666	Plenum NFPA 262	Plenum NFPA 262
Fiber Count Range		12-144	156-216	288-432	12-48	60-144
Cable OD	(mm)	14.2	16.2	19.7	11.3	14.7
	(inches)	0.50	0.64	0.78	0.45	0.58
Tube OD	(mm)	9.9	11.9	15.4	7.1	10.0
	(inches)	0.39	0.47	249	0.28	0.39
Cable Weight	(kg/km)	160	185	279	129	232
	(lb/kft)	107	124	184	87	156
Max. Length	(m)	4,000	4,000	3,000	4,000	4,000
	(ft)	13,000	13,000	10,000	13,000	13,000

* Cables with fiber counts above 216 are designed with 24 fiber ribbon

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: Riser rated 216 count COLink™ RCLT cable with G.652.D LWP single-mode fiber and 0.40/0.40/0.30 attenuation.

1 LENGTH MARKINGS	**2** PRODUCT FAMILY	**3** FIBER GROUPING	**4** FIBER TYPE	**5** FIBER COUNT	**6** FIBER GRADE
F	RRCDK	12	HB	216	E1

PART NUMBER CONSTRUCTION

1 LENGTH MARKINGS
F = Feet or M = Meters

2 PRODUCT FAMILY & CONSTRUCTION
RRCDK = COLink RCLT Riser
RPCDK = COLink RCLT Plenum

3 FIBER GROUPING
12 = 12f Ribbons (12-216f)
24 = 24f Ribbons (240-432f)

Note: Please refer to the fiber code addendum for additional fiber options, or contact us for help.

FIBER INFORMATION

4 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)

5 FIBER COUNT
12-432 fibers (Riser), 12-144 fibers (Plenum)

6 FIBER GRADE

SINGLE-MODE Attenuation (dB/km)	Wavelength (nm)	Fiber Type
E1 = 0.40/0.40/0.30	1310/1383/1550	HB, ES, CE, B1, or B2
E3 = 0.35/0.35/0.25	1310/1383/1550	HB, ES, CE, B1, or B2