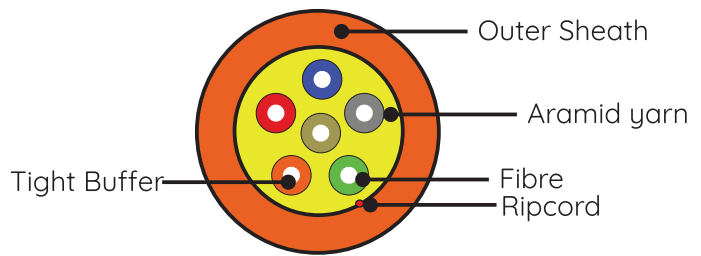


# Distribution Riser Fiber Optic Cable

RitchField Distribution riser fiber optic cable is made by evenly applying strands of Aramid yarns or High strength glass yarns as the strength member over  $\phi 900\mu\text{m}$  tight buffer fibers and then is completed with jacket.



## Application

- Adopted to indoor distribution.
- As pigtail of communication equipment.
- Suitable for communication equipment served.
- Suitable for floor connection.

## Characteristics

- High strength aramid yarn member.
- More tight buffered design.
- Round construction.
- Saft. Easy to strip.

## Features

Items	Description
Number of fiber	4 cores
Fiber type	G652D/G657A/G657B/G655/OM1/OM2/OM3/OM4/OM5
Out sheath	Material LSZH/PVC/PE/OFNR

## Fibre Colors

The color of the individual fibres, shall be in accordance with the table as below:

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Grey	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Voilet	Pink	Aqua

## Fibre Characteristic

Fiber Style		Unit	SM	MM 50/125	MM 62.5/125
Condition		nm	1310/1550	850/1300	850/1300
Attenuation		dB/km	≤ 0.36/0.23	≤ 3.0/1.0	≤ 3.0/1.0
Dispersion	1310 nm	Ps/(nm*km)	≤ 18	.....	.....
	1550 nm	Ps/(nm*km)	≤ 22	.....	.....
Bandwidth	850 nm	MHZ.KM	.....	≥ 400	≥ 160
	1300 nm	MHZ.KM	.....	≥ 800	≥ 500
Zero dispersion wavelength		nm	≥1302 ≤1322	.....	.....
Zero dispersion slope		nm	≤0.091	.....	.....
PMD Maximum Individual Fiber			≤0.2	.....	.....
PMD Design Link Value		Ps/(nm <sup>2</sup> *km)	≤0.08	.....	.....
Fiber cutoff wavelength λ <sub>c</sub>		nm	≥1180, ≤ 133	.....	.....
Cable cutoff wavelength λ <sub>cc</sub>		nm	≤1260	.....	.....
MFD	1310 nm	um	9.2 ± 0.4	.....	.....
	1550 nm	um	10.4 ± 0.8	.....	.....
Numerical Aperture(NA)			.....	0.200 ± 0.015	0.275 ±
Step (mean of bidirectional measurement)		dB	≤0.05	≤0.10	≤0.10
Irregularities over fiber length and point discontinuity		dB	≤0.05	≤0.10	≤0.10
Difference backscatter coefficient		dB/km	≤0.03	≤0.08	≤0.10
Attenuation uniformity		dB/km	≤0.01	.....	.....
Core diameter		um	.....	50 ± 1.0	62.5 ± 2.5
Cladding diameter		um	60.0 ± 0.1	60.0 ± 0.1	60.0 ± 0.1
Cladding non-circularity		%	≤1.0	≤1.0	≤1.0
Coating diameter		um	242 ± 7	242 ± 7	242 ± 7
Coating/chaffinch concentricity error		um	≤12.0	≤12.0	≤12.0
Coating non circularity error		%	≤6.0	≤6.0	≤6.0
Core/cladding concentricity error		um	≤0.6	≤1.5	≤1.5
Curl(radius)		um	≤4	.....	.....

## Fibre Standards

ITU-T G.652.D/G.657.A,IEC 60793-2-50 G677B.3

## Mechanical Characteristics

Characteristic	Data
Diameter over jacket	4.6±0.2mm
Buffer	0.9mm
Tensile Load, long term, maximum	200N
Tensile Load, short term, maximum	600N

## Ordering Information

Part Number	Product Description
RF2-04DRSMIN-<JT>	4 Core Distribution Riser FO cable, 09/125um Single mode, Indoor, <jacket type>
RF2-04DRM1IN-<JT>	4 Core Distribution Riser FO cable, 62.5/125um OM1 Multi Mode, Indoor, <jacket type>
RF2-04DRM2IN-<JT>	4 Core Distribution Riser FO cable, 50/125um OM 2 Multi Mode, Indoor, <jacket type>
RF2-04DRM3IN-<JT>	4 Core Distribution Riser FO cable, 50/125um OM 3 Multi Mode, Indoor, <jacket type>
RF2-04TDM4IN-<JT>	4 Core Distribution Riser FO cable, 50/125um OM 4 Multi Mode, Indoor, <jacket type>

JT = Jacket Type PV - PVC | LZ - LSZH | PE- PE | NR - OFNR