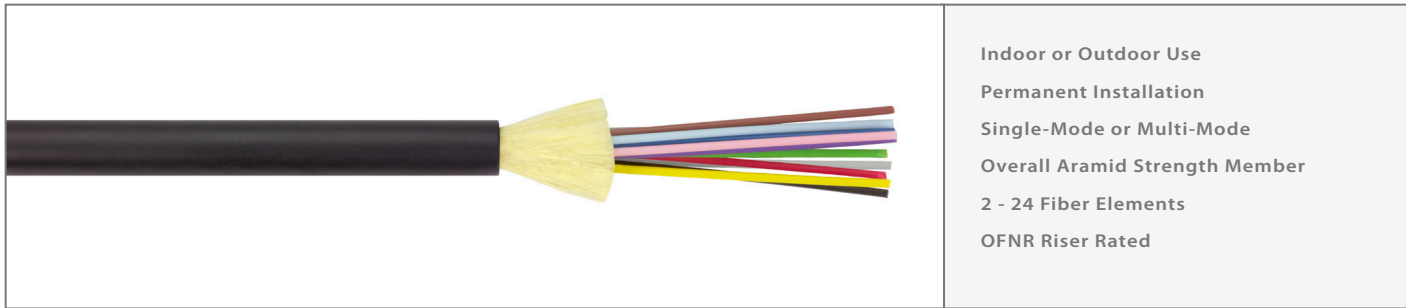


DR Series

Riser Rated Distribution Indoor/Outdoor Optical Fiber Cables

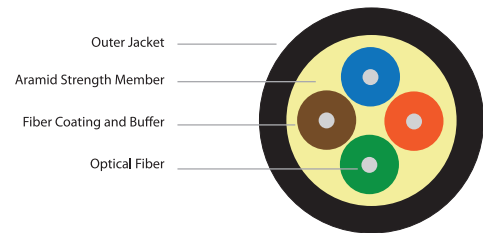


- Indoor or Outdoor Use
- Permanent Installation
- Single-Mode or Multi-Mode
- Overall Aramid Strength Member
- 2 - 24 Fiber Elements
- OFNR Riser Rated

Part Number: **CWF-Dxxx**R** (see below for variations)
Description: Riser Rated Indoor/Outdoor Optical Fiber Distribution Cables

Materials & Dimensions

Fiber Type and ** Part Number Code	SM = Single-Mode 9um MM = Multi-Mode 62.5um OM1 MM5 = Multi-Mode 50u OM2 MM53 = Multi-Mode 50u OM3
Cladding	Glass, 125um diameter
Primary Coating	UV Cured Acrylate, 245um diameter
Secondary Buffer	PVC, 900um diameter
Overall Strength Member	Aramid Yarn
Overall Jacket	PVC (black or yellow)



Performance Characteristics

Impedance Resistance	Crush Resistance	Proof Test Levels	Operating Temperatures	Listing
1500 impacts (EIA-455-25A)	1800 N/cm (EIA-455-41A)	100 kpsi	-40°C to 85°C (4 - 24 strand) -40°C to 70°C (2 strand)	(UL) OFNR (CSA) FT-4

Product Variations

Part Number	Number of Elements	Fiber Color Code	Overall Diameter	Weight	Bend Radius (min.)	Tensile Load (max.)
CWF-D002**R	2	blue, orange	.190"	14 lbs/Mft	2.9" - Installation 1.9" - Operating	150 lbs - Installation 40 lbs - Operating
CWF-D004**R	4	blue, orange, green, brown	.200"	16 lbs/Mft	3.0" - Installation 2.0" - Operating	310 lbs - Installation 100 lbs - Operating
CWF-D006**R	6	blue, orange, green, brown, grey, white	.220"	22 lbs/Mft	3.4" - Installation 2.2" - Operating	310 lbs - Installation 100 lbs - Operating
CWF-D008**R	8	blue, orange, green, brown, grey, white, red, black	.230"	23 lbs/Mft	3.5" - Installation 2.3" - Operating	360 lbs - Installation 120 lbs - Operating
CWF-D012**R	12	blue, orange, green, brown, grey, white, red, black, yellow, purple, rose, aqua	.260"	25 lbs/Mft	3.8" - Installation 2.6" - Operating	600 lbs - Installation 135 lbs - Operating
CWF-D018**R	18	same as 12 strand, #13 repeats at blue with continuous dashed markings	.280"	32 lbs/Mft	4.3" - Installation 2.8" - Operating	600 lbs - Installation 160 lbs - Operating
CWF-D024**R	24	same as 12 strand, #13 repeats at blue with continuous dashed markings	.350"	45 lbs/Mft	5.3" - Installation 3.5" - Operating	670 lbs - Installation 220 lbs - Operating

Fiber Element Types

Attenuation and Maximum Transmission Distances

SINGLE MODE 9um

Product Code: SM

Wavelength	Gigabit Ethernet (max. distance)	10-Gig Ethernet (max. distance)	Attenuation (max.)
1310 nm	10 km (1000BASE-LH) 5 km (1000BASE-LX)	10 km (10GBASE-LH)	0.5 dB/km
1550 nm	n/a	40 km (10GBASE-ER)	0.5 dB/km

MULTI-MODE 62.5um OM1

Product Code: MM

Wavelength	Laser Bandwidth (minimum)	LED Bandwidth (minimum)	Gigabit Ethernet (max.distance)	10-Gig Ethernet (max. distance)	Attenuation (max.)
850 nm	220 MHz-km	200 MHz-km	300 m	33 m	3.5 dB/km
1310 nm	500 MHz-km	500 MHz-km	600 m	300 m	1.5 dB/km

MULTI MODE 50um OM2

Product Code: MM5

Wavelength	Laser Bandwidth (minimum)	LED Bandwidth (minimum)	Gigabit Ethernet (max. distance)	10-Gig Ethernet (max. distance)	Attenuation (max.)
850 nm	510 MHz-km	500 MHz-km	600 m	82 m	3.5 dB/km
1310 nm	500 MHz-km	500 MHz-km	600 m	300 m	1.5 dB/km

MULTI MODE 50um OM3

Product Code: MM53

Wavelength	Laser Bandwidth (minimum)	LED Bandwidth (minimum)	Gigabit Ethernet (max. distance)	10-Gig Ethernet (max. distance)	Attenuation (max.)
850 nm	2000 MHz-km	1500 MHz-km	1000 m	300 m	3.0 dB/km
1310 nm	500 MHz-km	500 MHz-km	600 m	300 m	1.0 dB/km