

# 2-24 Fiber Optic Distribution Cable Plenum Rated

## Features and Benefits

- 900µm Tight Buffers
- Aramid yarn strength members
- Exclusive use of Corning® optical fibers
- Jacket print ensures product identification and fiber compatibility
- Durable jacket offers added protection during installation and in rugged use applications

## Description

This Distribution Cable is composed of 2 to 24 colored tight buffered optical fibers, aramid yarn, and a PVC outer jacket. All component materials meet the EU RoHS and REACH Directive standards.

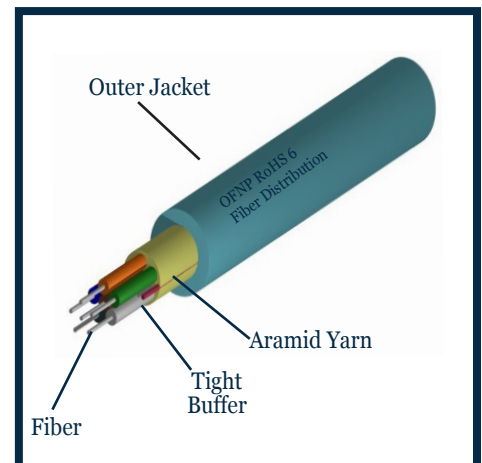
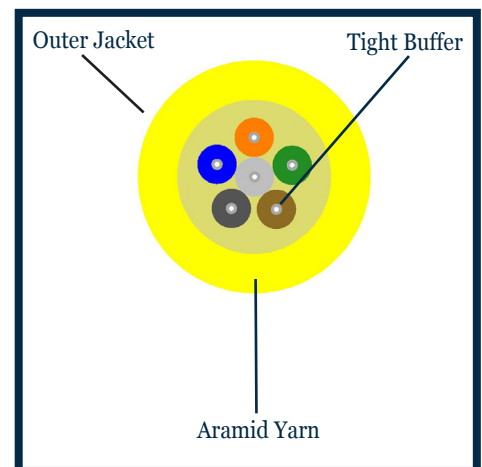
Standard surface print denotes construction, NEC rating, and fiber type, and includes footage markers.

## Application

Plenum

## Flame Rating

NFPA262



# SPECIFICATIONS

<b>Temperature Range</b>	Indoor
Storage Temperature	-40 C to +70 C
Operating Temperature	0 C to +70 C

<b>Cable Characteristics</b>	
Fiber Count	2, 4, 6, 8, 12, 24
Outer Jacket Material	Flame Retardant PVC
Outer Jacket Color	Available in 12 TIA/ EIA color standard
Strength Member	Aramid Yarn
Tight Buffer Material	Flame Retardant PVC
Tight Buffer Color	Available in 12 TIA/ EIA color standard

<b>Physical Characteristics</b>	Value (2/ 4/ 6/ 8/ 12/ 24 fiber count)
Nominal Outer Diameter (mm)	4.4/ 4.4/ 4.8/ 5.8/ 5.8/ 7.8
Weight (lbs/ km)	44/ 48/ 57/ 73/ 81/ 138
Minimum Bend Radius, Installation (cm)	6.6/ 6.6/ 7.2/ 8.7/ 8.7/ 11.7
Minimum Bend Radius, Operation (cm)	4.4/ 4.4/ 4.8/ 5.8/ 5.8/ 7.8

<b>Optical Characteristics</b>						
Items	Single Mode	OM1	OM2	OM3	OM4 (OM4+)	OM5 (WB MMF)
Core Size [μm]	9	62.5	50	50	50	50
Wavelength [nm]	1310/ 1550	850/ 1300	850/1300	850/ 1300	850/ 1300	850/ 1300
Max. Attenuation[dB/km]	0.5/ 0.4	3.5/ 1.5	3.5/1.5	3.0/ 1.0	3.0/ 1.0	3.0/ 1.0
Link Length[m]	10,000/5,000 (1/10Gb/s@1550nm)	300 (1Gb/s@850nm)	150 (10Gb/s@850nm)	300 (10Gb/s@850nm)	550(600) (10Gb/s@850nm)	550 (10Gb/s@850nm)
Bandwidth (EMB High Performance)[MHz.km]	–	220 @850nm	750@850	2,000 @850	4,700 @850	4,700@850

<b>Part Numbers</b>					
Fiber Count	Single Mode	OM1	OM2	OM3-OM4	OM5 (WB MMF)
2	S09DI02**NPY	M62DI02**NPO	M50DI02**NPO	M50DI02**NPA	M50DI02**NPLG
4	S09DI04**NPY44	M62DI04**NPO44	M50DI04**NPO44	M50DI04**NPA44	M50DI04**NPLG44
6	S09DI06**NPY48	M62DI06**NPO48	M50DI06**NPO48	M50DI06**NPA48	M50DI06**NPLG48
8	S09DI08**NPY58	M62DI08**NPO58	M50DI08**NPO58	M50DI08**NPA58	M50DI08**NPLG58
12	S09DI12**NPY58	M62DI12**NPO58	M50DI12**NPO58	M50DI12**NPA58	M50DI12**NPLG58
24	S09DI24**NPY78	M62DI24**NPO78	M50DI24**NPO78	M50DI24**NPA78	M50DI24**NPLG78

<b>Fiber Type (9/125)</b>	<b>**</b>	<b>Fiber Type (50/125)</b>	<b>**</b>	<b>Fiber Type (62.5/125)</b>	<b>**</b>
SMF-28 Ultra	CZ	ClearCurve OM2	C2	InfiniCor 300	C3
ClearCurve LBL	C7	Clear Curve OM3	CG		
ClearCurve ZBL	CC	ClearCurve OM4	C4		
		ClearCurve OM5	C5		