

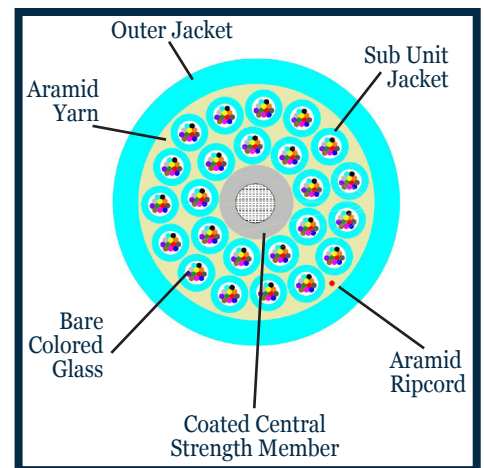
288 Fiber Micro Distribution with 2mm buffer tubes, Plenum

Features and Benefits

- Ultra space-saving designs
- 250µm color-coded bare fiber
- 12 bare fibers per subunit with total 288 fibers
- Available in all fiber types
- Meets the application requirement of National Electric Code (NEC) Article 770 and are OFNP-rated

Description

This 288 fiber Micro Distribution Cable is composed of twenty-four buffer tubes, a central member, aramid yarn, an aramid ripcord, and a PVDF outer jacket. Each buffer tube consists of 12 colored glass fibers surrounded by aramid yarn with a PVC jacket 2.00 mm in diameter. All component materials meet the EU RoHS and REACH Directive standards. Buffer tubes may be color-coded or sequentially numbered.



Application

Plenum
Data Centers

Flame Rating

NFPA 262

SPECIFICATIONS

Temperature Range

Storage Temperature	-40 C to +70 C
Operating Temperature	0 C to +70 C

Cable Characteristics

Fiber Count	288
Outer Jacket Material	Flame Retardant PVDF
Buffer tubes	Flame Retardant PVC
Strength Member	Aramid Yarn
Central Strength Member	Fiber Reinforced Rod upjacketed with PVC

Mechanical Characteristics

Value (288 fiber count)

Nominal Outer Diameter (mm)	14.3
Weight (lbs/ km)	556
Minimum Bend Radius, Installation (cm)	28.6
Minimum Bend Radius, Operation (cm)	14.3

Optical Characteristics

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 @850	750@850	2,000 @850	4,700 @850	4,700@850

Part Numbers

Fiber Count	Single Mode	OM1	OM2	OM3-OM4	OM5
288	S09MD288**NPY20-Y	M62MD288C3NPO20-O	M50MD288C2NPO20-O	M50MD288**NPA20-A	M50MD288C5NPLG20-LG

Fiber Type (9/125) **

SMF-28 Ultra	CZ
ClearCurve LBL	C7
ClearCurve ZBL	CC

Fiber Type (50/125) **

ClearCurve OM2	C2
Clear Curve OM3	CG
ClearCurve OM4	C4
ClearCurve OM5	C5

Fiber Type (62.5/125) **

InfiniCor 300	C3
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