Rev.	Description	Date
A		05-2023

RoHS

Optical Characteristics

Fiber Type	CORNING ClearCurve Multimode OM3 Optical fiber	
Wavelength	850nm / 1300nm	
Attenuation(dB/km)	850nm	≤2.3
	1300nm	≤0.6
Overfilled Modal Bandwidth (MHZ.km)	850nm	1500
	1300nm	500
Bandwidth-High Peformance EMB @850nm only (MHz.km)	2000	
Link Length (10Gb/ s)	300m	

Optical Characteristics

Core Diameter(um)	50.0±2.5um
Cladding diameter(um)	125±1.0um
Cladding material	SiO2
Cladding non-circularity(%)	≤1.0
Coating-cladding concertricity (um)	≤12.0
Coating diameter(um)	242±5
Core non-circularity(%)	5
Core-cladding concentricity (um)	≤1.5

Performance Characterizations

Refractive Index Difference	1
Effective Group Index of Refraction(Neff)	850nm:1.482 1300nm:1.477
Fatugue Resistance Paremeter(Nd)	20
Coating Strip Force	Dry: 0.6 lbs(2.7N) Wet: 14 Days in 23℃ water soak:0.6 lbs.(2.7N)
Zero Dispersion Wavelength(λ0)	1295nm≤λ0≤1315nm
Zero Dispersion Slope(S0)	≤0.101 ps/(nm2.km)
Temperature Dependence	60~85℃
Temperature-humidity cycling	-10 to +85℃,98% R.H.

Overview

Gorelink Riser Indoor/outdoor Tight-Buffered Distribution Cable contains 48 tight-buffered fibers bundled under the same jacket with aramid yarn strength members to stiffen the cable and prevent kinking. It is manufactured with an outer jacket that incorporates a UV stabilizer for protection against exposure to the sun.

With aramid yarn as a reinforcing member, the cable is light weight, softness and easy to peel. It is widely used between wiring closets and equipment rooms within the buildings.

Application

1. Widely used in FTTH access network.
2. Telecommunication Networks
3. CCTV Networks
4. Data communications Networks
5. Local Area Networks

Features

1. Widely used between wiring closets and equipment rooms
2. Tested to meet or exceed TIA & GR-409-CORE standards
3. Light weight and buffered to 900um for easy stripping and handling
4. With UV resistant protection outer jacket
5. Characteristic of fiber color: blue/orange/green/brown/grey/white/red/ black/yellow/purple/pink/aqua

Item Number:	10F3-348xx
Title:	48 Fiber Indoor/Outdoor Fiber Optic Cable, Multimode 50/125, Corning Clear Curve OM3, 10 Gbit, Black, Riser Rated, Spool
Drawn by:	JL
Approved by:	MAC
ID:	399

888-212-8295 CableWholesale.com

No.	Specifications

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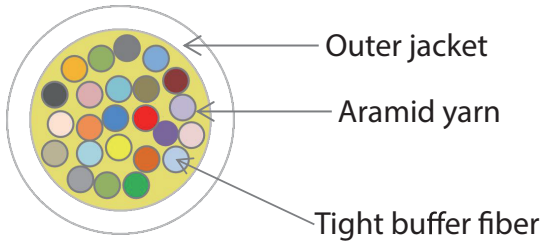
Technical Parameter

Fiber Count 48 Cores

Outer Diameter(mm)		10.5±0.3
Nomial Weight(KG/KM)		61
Max. Tensile Strength(N)	Short-term	1000
	Long-term	600
Min. Bending Radius(mm)	Short-term	20D
	Long-term	10D
Max. Crush Resistance(N)	Short-term	200
	Long-term	100

Cable Parameters

Product	Singlemod 9/125
Fiber Count	48 cores
Fiber Type	CORNING Glass
Strength Member	Aramid Yarn
Cable Type	900um Tight Buffer
Outer Jacket Color	Black
Outer Jacket	OFNR,Riser rated



Environmental characteristics

Temperature dependence Induced attenuation	-40~75℃	≤0.05 dB /km
Temperature-humidity cycling Induced attenuation	-10 to +75℃,90% R.H.	≤0.05 dB /km
Damp heat dependence Induced attenuation	85℃,85% R.H.,30 days	≤0.05 dB /km
Watersoak dependence Induced attenuation	20℃ for 30 days	≤0.05 dB /km
Temperature Range	Operating Temperature	20~75℃℃
	Storage Temperature	40~80℃

Cable Marking

Sheath Marking	Meter mark, Type of optical cable and fiber count, Manufacturer name ,Manufacture date
Length Marking	Length mark at intervals of one meter along the outside of cable sheath

Macrobend Loss

Mandrel Radius (mm)	Number of Turns	Induced Attenuation(dB)	
		850nm	1300nm
15	2	≤0.1	≤0.3
7.5	2	≤0.2	≤0.5

PART NO.	CABLE LENGTH	Carton size/cm	G.W/kg	N.W/kg
10F3-348NF	500 ft	44*44*34	17.6	16.6
10F3-348NH	1000 ft	50*34	33.1	29.3
10F3-3482H	2000 ft	60*51	66.8	59.2

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