

Rev.	Description	Date
A		04-2023

Overview

Cablewholesale Plenum Indoor/outdoor Tight-Buffered Distribution Cable contains 2 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 yam as a reinforcing member, the cable is light weight, softness and easy to peel. It is widely used as pigtails and jumpers for communication equipment.

Application

- Widely used in FTTH access network
- Telecommunication Networks
- CCTV Networks
- Data Communications Networks
- Local Area Networks



Features

- Widely used between wiring closet and equipment rooms
- Tested to meet or exceed TIA&GR-409-CORE standards
- Non-unitized tight-buffered distribution indoor cable
- Light weight and buffered to 900µm for easy stripping and handling
- Characteristic of fiber color: blue/orange/green/brown /grey/white/red/black/yellow/purple/pink/aqua
- Choice of jacket



Cross Section

Cable Parameters

Product	Multimode 62.5/125 OM1
Fiber Count	2 cores
Fiber Type	CORNING Glass
Strength Member	Aramid Yarn
Cable Type	900um Tight Buffered
Outer Jacket Color	Black
Outer Jacket	Plenum rated OFNP

Technical Parameter(2 Fiber Count)

Outer Diameter (mm)	4.4±0.2	
Nomial Weight(kg/km)	19	
Max.Tensile Strength(N)	Short-term	660
	Long-term	200
Min. Bending Radius (mm)	Short-term	20D
	Long-term	10D
Max.Crush Resistance	1000	

Optical Characteristics

Fiber Type	OM1 62.5/125µm
Wavelength	850nm/1300nm
Attenuation(dB/km)	850nm ≤2.9 1300nm ≤0.6
Overfilled Modal Bandwidth (MHz.km)	1300nm ≥200 850nm ≥500
Cladding diameter(µm)	125±2.0
Cladding material	siO2
Cladding non-circularity(%)	≤1.0
Coating/cladding concentricity error(µm)	≤12.0
Coating diameter(µm)	245±10
Core diameter(µm)	62.5±2.5
Core non-circularity(%)	≤5.0
Core/cladding concentricity error(µm)	≤1.5
Optimized Data Rate over distance	300m @850nm 550m @1300nm

Environmental characteristics

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

Item Number:	11F3-202NH	
Title:	6 Fiber Indoor/Outdoor Fiber Optic Cable, Multimode 62.5/125 OM1, Corning InfiniCor 300, Plenum, NFPA 262, Black, Spool, 1000ft	
Drawn by:	JL	
Approved by:	MAC	
ID:	399	

No.	Specifications
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