

Overview

Cablewholesaleindoor Tight-Buffered Distribution Cable contains several tight-buffered bundled under the same jacket with kevlar strength members to stiffen the cable and prevent kinking.

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.

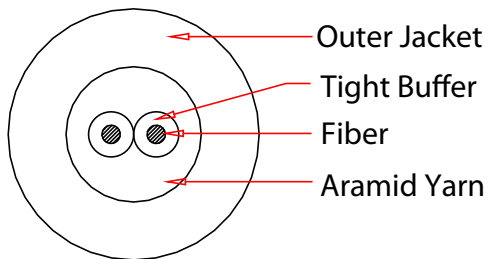
Application

- 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

RoHS



Cross Section

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

Cable Parameters

Product	Multimode 50/125 OM3
Fiber Count	6 cores
Fiber Type	CORNING Glass
Strength Member	Aramid Yarn
Cable Type	Tight Buffer
Outer Jacket Color	Aqua
Outer Jacket	Riser Rated

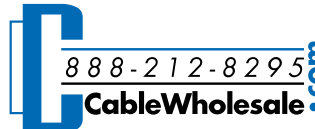
Rev.	Description	Date
A		12-2021

Technical Parameter(2 Fiber Count)

Outer Diameter (mm)		4.4±0.2
Nomial Weight(kg/km)		19
Max.Tensile Strength(N)	Short-term	270
	Long-term	90
Min. Bending Radius (mm)	Short-term	20D
	Long-term	10D
Max.Crush Resistance		1000

Optical Characteristics

Fiber Type	OM3 50/125μm
Wavelength	850nm/1300nm
Attenuation(dB/km)	850nm ≤3.0 1300nm ≤1.0
Overfilled Modal Bandwidth (MHz.km)	1300nm ≥1500 850nm ≥500
Cladding diameter(μm)	125±1.0
Cladding material	siO2
Cladding non-circularity(%)	≤1.0
Coating/cladding concentricity error(μm)	≤12.5
Coating diameter(μm)	242±7
Core diameter(μm)	50±2.5
Core non-circularity(%)	≤6.0
Core/cladding concentricity error(μm)	≤1.5
Serial 1 Gigabit Ethernet	1000m/600m
Serial 10 Gigabit Ethernet	300m
40&100 Gigabit Ethernet 850nm	100m

Item Number:	10F2-302NH	
Title:	2 Fiber Indoor Distribution Fiber Optic Cable, Multimode, 50/125, OM3, 10 Gbit, Aqua, Riser Rated, Spool, 1000 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	399	