

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.

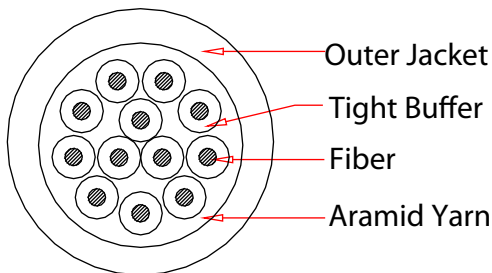
Application

- 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

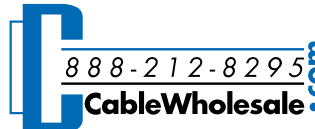
Product	Multimode 50/125 OM3
Fiber Count	12 cores
Fiber Type	CORNING Glass
Strength Member	Aramid Yarn
Cable Type	Tight Buffer
Outer Jacket Color	Aqua
Outer Jacket	Riser rated

Technical Parameter(12 Fiber Count)

Outer Diameter (mm)		6.5±0.2
Nomial Weight(kg/km)		38
Max.Tensile Strength(N)	Short-term	600
	Long-term	200
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:	10F2-312NH	
Title:	12 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	