

Overview

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

With aramid yarn 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

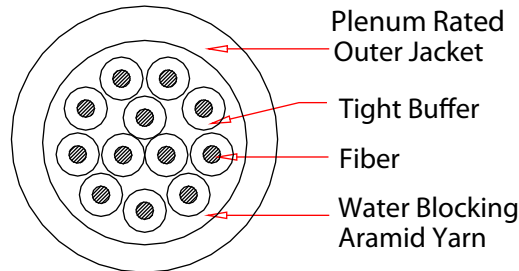
Environmental characteristics

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	Singlemod 9/125 OS2
Fiber Count	12 cores
Fiber Type	CORNING Glass
Strength Member	Aramid Yarn
Cable Type	Tight Buffer
Outer Jacket Color	Black
Outer Jacket	Plenum Rated

RoHS



Cross Section

Rev.	Description	Date
B		05-2022

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	OS2 9/125 Singlemode G657.A1
Attenuation(dB/km)	1310nm ≤0.35 1383nm ≤0.35 1460nm ≤0.25 1550nm ≤0.21 1625nm ≤0.23
Zero Dispersion Wavelength	1312±10nm
Fiber Cutoff Wavelength(nm)	≤1260
Cladding diameter(µm)	125±0.7
Cladding material	siO2
Cladding non-circularity(%)	≤0.7
Coating/cladding concentricity error(µm)	≤12.5
Coating diameter(µm)	245±5
Core diameter(µm)	9.0±2.5
Core non-circularity(%)	≤6.0
Bending Diameter(mm)	10mm

Item Number:	11F3-012NH	
Title:	12 Fiber Indoor/Outdoor Fiber Optic Cable, Singlemode 9/125, OS2, Plenum Rated, Black, Spool, 1000ft	
Drawn by:	JL	
Approved by:	MAC	
ID:	399	