

## 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

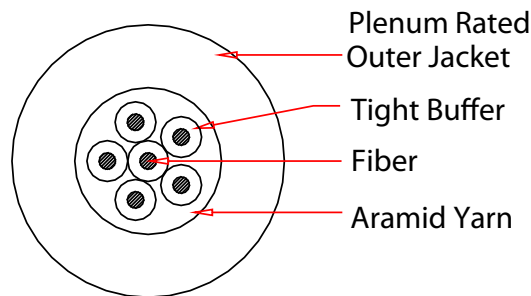
## Environmental characteristics

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	6 cores
Fiber Type	CORNING Glass
Strength Member	Aramid Yarn
Cable Type	Tight Buffer
Outer Jacket Color	Black
Outer Jacket	Plenum Rated

RoHS



Cross Section

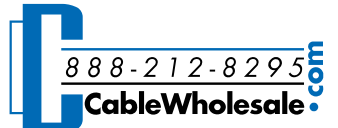
Rev.	Description	Date
B		05-2022

## Technical Parameter(6 Fiber Count)

Outer Diameter (mm)		5.0±0.2
Nomial Weight(kg/km)		23
Max.Tensile Strength(N)	Short-term	330
	Long-term	110
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:	11F3-006NH	
Title:	6 Fiber Indoor/Outdoor Fiber Optic Cable, Singlemode 9/125, OS2, Plenum Rated, Black, Spool, 1000ft	
Drawn by:	JL	
Approved by:	MAC	
ID:	399	