

## 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

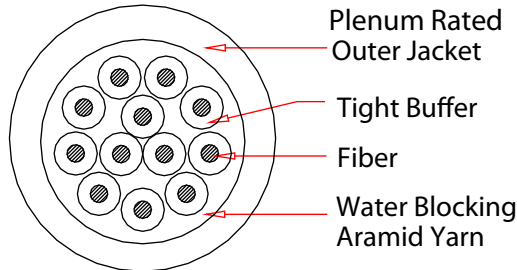
## Features

- 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    |

RoHS



Cross Section

## Cable Parameters

|                    |                      |
|--------------------|----------------------|
| Product            | Singlemode 9/125 OS2 |
| Fiber Count        | 12 cores             |
| Strength Member    | Aramid Yarn          |
| Cable Type         | Tight Buffer         |
| Outer Jacket Color | Black                |
| Outer Jacket       | Plenum 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                               | OS2 9/125 Singlemode, G652.D                                 |
| Wavelength                               | 1310nm/1550nm  |
| Attenuation(dB/km)                       | 1310nm ≤0.34<br>1383nm ≤0.34<br>1550nm ≤0.20<br>1625nm ≤0.24 |
| Zero Dispersion Wavelength               | 1310-1324nm  |
| Fiber Cutoff Wavelength(nm)              | ≤1260  |
| Cladding diameter(μm)                    | 125±1.0  |
| Cladding material                        | siO2   |
| Cladding non-circularity(%)              | ≤1.0   |
| Coating/cladding concentricity error(μm) | ≤12.0  |
| Coating diameter(μm)                     | 245±7  |
| Core diameter(μm)                        | 9.0±2.5  |
| Core non-circularity(%)                  | ≤6.0   |

|              |  |                  |
|--------------|--|------------------|
| Item Number: | 11E3-012NH   |                  |
| Title:       | 12 Fiber Indoor/Outdoor Fiber Optic Cable, Singlemode 9/125, OS2, Plenum Rated, Black, Spool, 1000ft |                  |
| Drawn by:    | JL   | <br>888-212-8295 |
| Approved by: | MAC  |                  |
| ID:          | 399  |                  |