

Rev.	Description	Date
B		05-2022

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.

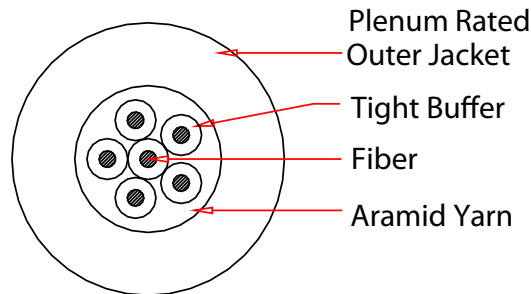
Application

- 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



Cross Section

Cable Parameters

Product	Singlemode 9/125 OS2
Fiber Count	6 cores
Strength Member	Aramid Yarn
Cable Type	Tight Buffer
Outer Jacket Color	Black
Outer Jacket	Plenum Rated

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, G652.D
Wavelength	1310nm/1550nm
Attenuation(dB/km)	1310nm ≤0.34 1383nm ≤0.34 1550nm ≤0.20 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

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

Item Number:	11E3-006NH	
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	

No.	Specifications
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