

Overview

Cablewholesale Armored Fiber Optic Cable is used in building wiring applications. It can be installed in walls, between floors, in plenum air handling ducts and under data center floors indoor or indoor/outdoor application. The armored cable consists of 0.9mm tight buffered fiber surrounded by yarn acting as a strength member. The core is protected by a spirally-wrapped steel tube that offers easy installation and high crush resistance.

Its structure contains stainless steel armor inside the jacket, this will help make the armored fiber patch cord resistant of high tension and pressure and it is not easy to break when bent or dragged. The stainless steel tube prevents optic fiber from damage that improves stability of the system.

Features

- It is flexible, anti-rodent, pressure resistance.
- The structure is Anti-rodent ringed steel protection & External reinforced aramid yarn protection
- High tensile strength, pressure resistant, rodent protected.
- Good mechanical and environmental characteristics
- Flame retardant characteristics
- Soft, flexible, easy to splice, and with big capacity data transmission
- Anti rodent and UV stable

Cable Parameters

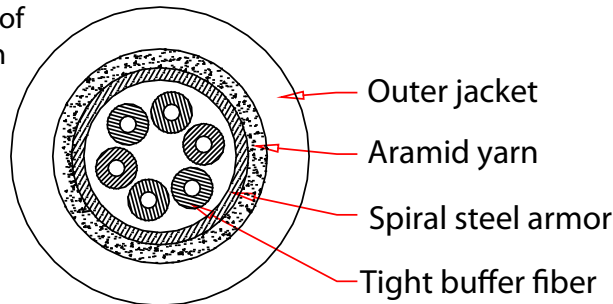
Product	OS2 9/125 Singlemode
Fiber Count	6 cores
Fiber Type	CORNING Glass
Cable Type	900um Tight Buffered
Tight buffer material	PVC
Strength Member	Aramid Yarn
Armor	Spiral steel armor
Cable Color	Black
Outer Jacket	Plenum rated

Technical Parameter

Fiber Count	6	
Outer Diameter (mm)	6.0±0.3	
Nominal Weight(KG/KM)	45	
Max.Tensile Strength(N)	Short-term	1200
	Long-term	600
Min. Bending Radius (mm)	Dynamic	120
	Static	60
Max.Lateral Pressure N/100mm	3000	

Application

- Widely used in FTTH access network
- Telecommunication Networks
- CCTV Networks
- Data communications Networks
- Local Area Networks



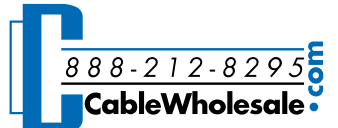
Cross Section

Rev.	Description	Date
A		06-2022



Optical Fiber Characteristics

Fiber Type	CORNING SMF-28 Ultra O SM G657A
Core Size	9um
Wavelength	1310nm/1550nm
Max. Attenuation	(0.5/0.4)dB/km
Bandwidth(EMB) (High Performance)	/
Link Length(10Gb/s)	/
Cladding diameter(um)	125±0.7
Core-Clad Concentricity	≤0.5 um
Cladding non-circularity(%)	≤0.7
Coating-Cladding concentricity(um)	≤12.0
Coating diameter(um)	242±5
Core diameter(um)	8.2
Effective Group Index of Refraction(Neff)	1310nm:1.4676 1550nm:1.4682
Fatigue Resistance Parameter(Nd)	20
Temperature Dependence	-60~85°C
Temperature-humidity cycling	-10 to +85°C, 98% R.H.

Item Number:	21F3-006NF	
Title:	Armored Plenum 6 Strand Indoor/Outdoor Fiber Optic Cable, OS2 9/125 Singlemode, Corning, Black, Spool, 500 foot	
Drawn by:	JL	
Approved by:	MAC	
ID:	399	