

Part Number: [APN-GM304L-GJ](#)

Description: Alphanet GJFJV OM3 Indoor FO cable, LSZH, 4cores

Description

GJFJV simplex cable use single $\Phi 900\mu\text{m}$ or $\Phi 600\mu\text{m}$ tight buffer fibre as optical communication medium, the tight buffer fibre wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a LSZH jacket.

Characteristics

Tight buffer fibre easy of stripping

Tight buffer fibre have excellent flame-retardant performance

Aramid yarn as strength member make cable have excellent tensile strength

The outer jacket material have many advantages such as anti-corrosion, anti-water, anti-ultraviolet radiation, flame-retardant and harmless to environment etc.



Application

Optical fibre jumper or pigtail

Indoor riser level and plenum level cable distribution

Interconnect between instruments, communication equipments

Standard

YD/T 1258.2

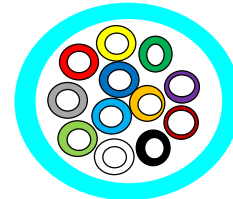
ICEA-596

GR-409

IEC 60794-2-10/11

PVC cable meet the requirements of UL approval OFNR and

Different LSZH jacket meet IEC 60332-1 or IEC 60332-3C or



Optical Characteristics

Optical Fibre Types	Attenuation				Overfilled-launch	Effective	10GB Ethernet Link Length	Minimum Bending Radius
	1310/1550nm		850/1300nm					
Condition	Typical Value	Max. Value	Typical Value	Max. Value	850/1300nm	850nm	850nm	/
Unit	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22	0.5/0.4	---	---	---	---	---	16
G657A	0.36/0.22	0.5/0.4	---	---	---	---	---	10
50/125	---	---	3.0/1.0	3.5/1.5	$\geq 500/500$	---	---	30
62.5/125	---	---	3.0/1.0	3.5/1.5	$\geq 200/500$	---	---	30
OM3	---	---	3.0/1.0	3.5/1.5	$\geq 1500/500$	≥ 2000	≤ 300	30

Packing & Reel Length

1) Standard Non-wooden Drum with Protection

2) Standard Length: 1km/reel, other length is subject to request

G.651 10GB/S Multimode Optic Fiber		
Geomaterial Characteristics		
Core Diameter	50±2.5µm	
Core Non-Circularity	6.00%	
Cladding Diameter	125±2µm	
Cladding Non-Circularity	≤ 1.0%	
Core-Cladding Concentricity Error	≤ 1.5µm	
Coating Diameter	245±10µm	
Cladding Coating Concentricity Error	≤ 12.5µm	
Optical Characteristics		
Attenuation 850nm Wavelength	≤ 3.50dB/km	
Attenuation 1300nm Wavelength	≤ 2.20dB/km	
Numerical Aperture	0.200±0.015	
Backscatter Characteristics (1300nm)		
Attenuation Non-uniformity	≤ 0.10dB	
Bidirectional Attenuation	≤ 0.1dB/km	
Environmental Characteristics @850nm Wavelength and 1300nm Wavelength		
Temperature Dependence Induced	≤ 0.15dB/km	
Dry Heat Aging Induced Attenuation (85°C±2°C, 30 Days)	≤ 0.20dB/km	
Water Soak Dependence Induced Attenuation (23°C±2°C, 30 Days)	≤ 0.20dB/km	
Temperature Humidity Cycling Induced Attenuation (85°C±2°C, RH85%, 30 Days)	≤ 0.20dB/km	
Mechanical Characteristics		
Tensile Proof Test	≥ 0.69GPa(100kpsi)	
Coating Strip Force	1.4N	
Dynamic Fatigue Parameter	≥ 20	
Macrobending Attenuation (100	≤ 0.5dB	
Ordering Information		
Part No.	Color	
APN-GM304L-GJ-11	Aqua	

(50/125µm Multimode Optic Fiber Specification)