

Part Number: APN-G04-GJ
Description: Alphanet GJFJV OS2 Indoor FO cable, PVC, 4cores

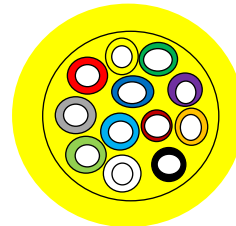
Description
 GJFJV simplex cable use single $\Phi 900\mu\text{m}$ or $\Phi 600\mu\text{m}$ tight buffer fibre as optical communication medium, the tight buffer fibre wrapped with a layer of aramid yarn as strength member units, and the cable is completed with a PVC jacket.

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



Optical Characteristics

Optical Fibre Types	Attenuation				Overfilled-launch (OFL)	Effective Bandwidth	10GB Ethernet Link Length	Minimum Bending
	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) Standarad Non-wooden Drum with Protection
 2) Standard Length: 1km/reel, other length is subject to request

G.652.D Single Mode Optic Fiber

Geomaterial Characteristics

Cladding Diameter	125±1.0μm
Cladding Non-Circularity	≤ 1.0%
Core-Cladding Concentricity Error	≤ 0.6μm
Coating Diameter	242±7μm
Cladding Coating Concentricity Error	≤ 12.0μm

Optical Characteristics

Attenuation 1310nm Wavelength	≤ 0.35dB/km
Attenuation 1383nm Wavelength	≤ 0.35dB/km
Attenuation 1550nm Wavelength	≤ 0.22dB/km
Attenuation 1625nm Wavelength	≤ 0.30dB/km
Chromatic Dispersion	≤ 3.0ps/(nm.km) @ 1285nm ~ 1340nm
	≤ 18ps/(nm.km) @ 1550nm
	≤ 22ps/(nm.km) @ 1625nm
Zero Dispersion Wavelength	1302~1322nm
Zero Dispersion Slope	≤ 0.091ps/(nm ² .km)
Macrobending Loss (Max.)	0.1dB @ radius 30mm x 100pcs, 1625nm

Polarization Mode Dispersion Coefficients (PMD)

Max. Value for Single Fiber	≤ 0.2ps/ km
PMD Link Value	≤ 0.08ps/ km
Fiber Cutoff Wavelength	1180-1330nm
Fiber Cutoff Wavelength (Typical)	≤ 1260nm
Mode Field Diameter	9μm (Standard)
	9.2±0.4μm @ 1310nm
	10.4±0.8μm @ 1550nm
Effective Group Refractive Index	1.466 @ 1310nm
	1.467 @ 1550nm

Backscatter Characteristics (@1310nm @1550nm)

Bidirectional Average Value	≤ 0.05dB
Attenuation Non-uniformity &	≤ 0.05dB
Difference of Bidirectional Attenuation Inc	≤ 0.03dB/km
Attenuation Uniformity	≤ 0.01dB/km

Ordering Information

Part No.	Color
APN-G04-GJ-04	Yellow

(Single Mode Fiber Specification)