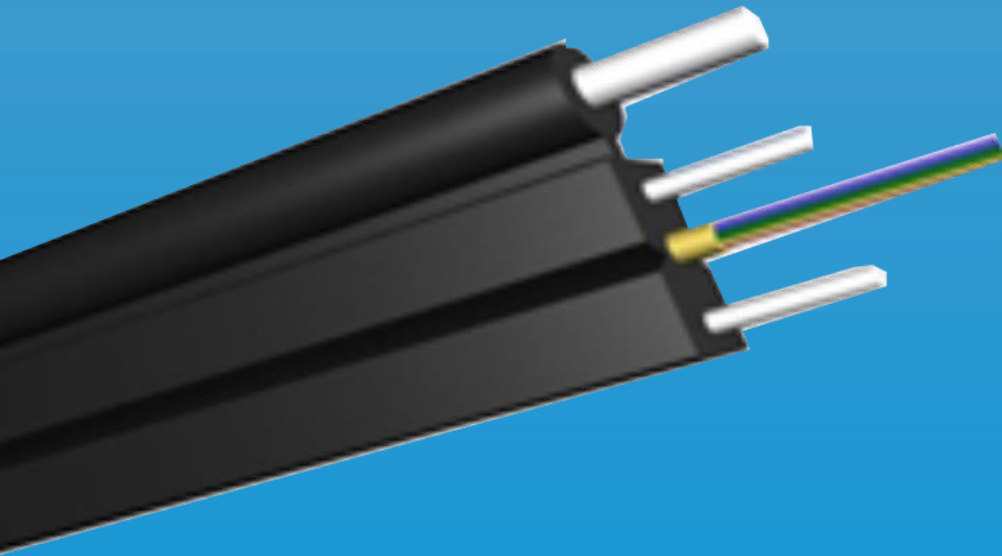
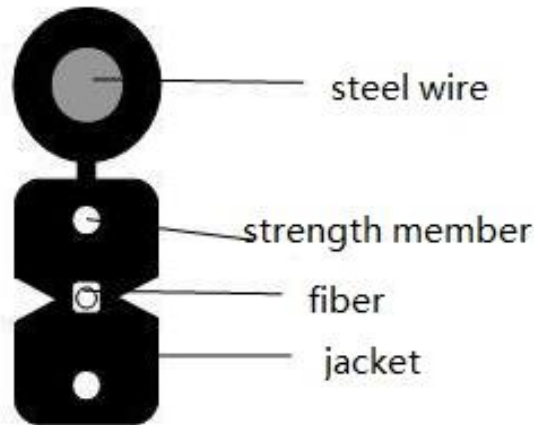
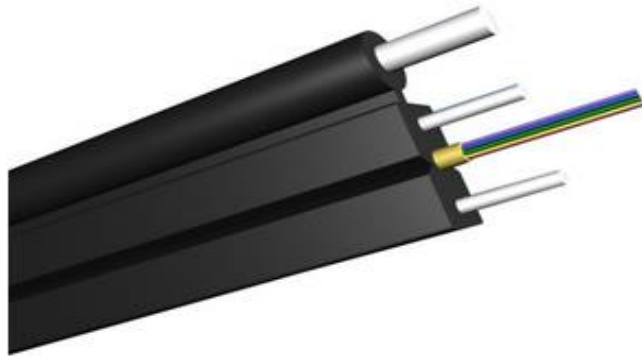


DROP Fiber GJYXFCH

COMCAST GROUP



DRAW



STRUCTURE SPECIFICATION

Cable Type	GJYXFCH(V)			
Fiber count	1-2		4	
The Color Code of The fibers	Natural/Blue,Orange,Green, Brown			
Strength member	Steel wire		Steel wire	
Messenger wire	Steel wire		Steel wire	
Jacket Material:	PVC/LSZH		PVC/LSZH	
OD of cable(mm)	2.0x5.0±0.1			
Net weight (kg/km)	20	20.5	18	18.6
Max.Tensile Loading (N)	600	600	600	600

Remarks:The Single core optical fiber color is natural.

Performance Parameters Of the Optical Fiber

Single Mode Fiber

LTEMS	UNITS	SPECIFICATION
Fiber type		G657A
Attenuation	dB/km	1310nm ≤ 0.4 1550nm ≤ 0.3
Chromatic Dispersion	ps/nm.km	1310nm ≤ 3.6 1550nm ≤ 18 1625nm ≤ 22
Zero Dispersion Slope	ps/nm ² .k m	≤ 0.092
Zero Dispersion Wavelength	nm	1300 ~ 1324
Cut-off Wavelength (λ_{cc})	nm	≤ 1260
Attenuation vs. Bending (60mm x100turns)	dB	(10mm radius, 1ring) ≤ 1.5 @ 1625nm
Mode Field Diameter	μm	9.2 ± 0.4 at 1310nm
Core-Clad Concentricity	μm	≤ 0.5
Cladding Diameter	μm	125±1
Cladding Non-circularity	%	≤ 0.8
Coating Diameter	μm	245±5
Proof Test	Gpa	≥ 0.69

Mechanical and Environmental Performance of the Cable

NO	ITEMS	TEST METHOD	ACCEPTANCE CRITERIA
1	Tensile Loading Test	<p>#Test method:IEC 60794-1-E1</p> <ul style="list-style-type: none"> -. Long-tensile load: 0.5 times the short-term pulling force -. Short-tensile load : reference to clause 2.1 -. Cable length: $\geq 50\text{m}$ 	<ul style="list-style-type: none"> -. Attenuation increment@1550nm:$\leq 0.1\text{dB}$ -. No jacket cracking and fiber breakage
2	Crush Resistance Test	<p>#Test method:IEC 60794-1-E3</p> <ul style="list-style-type: none"> -.Long load: 1000 N/100mm -.Short load: 2200 N/100mm Load time: 1 minutes 	<ul style="list-style-type: none"> -. Attenuation increment@1550nm:$\leq 0.4\text{dB}$ -. No jacket cracking and fiber breakage
3	Impact Resistance Test	<p>#Test method:IEC 60794-1-E4</p> <ul style="list-style-type: none"> -.Impact height: 1 m -.Impact weigh: 100 g -.Impact point: ≥ 3 -.Impact frequency: $\geq 1/\text{point}$ 	<ul style="list-style-type: none"> -. Attenuation increment@1550nm:$\leq 0.4\text{dB}$ -. No jacket cracking and fiber breakage
4	Repeated Bending	<p>#Test method:IEC 60794-1-E6</p> <ul style="list-style-type: none"> -.Mandrel diameter: 30H - -.Subject weight: 2kg -.Bending frequency: 300times -.Bending speed: 2s/time 	<ul style="list-style-type: none"> -. Attenuation increment@1550nm:$\leq 0.4\text{dB}$ -. No jacket cracking and fiber breakage

5	Torsion Test	<p>#Test method:IEC 60794-1-E7</p> <ul style="list-style-type: none"> -.Length: 1m -.Subject weight:2kg -.Angle: ±180 degree -.Frequency: ≥20/point 	<ul style="list-style-type: none"> -. Attenuation increment@1550nm:≤0.4dB -. No jacket cracking and fiber breakage
6	Temperature Cycling Test	<p>#Test method:IEC 60794-1-F1</p> <ul style="list-style-type: none"> -.Temperature steps: +20°C、-10°C、+60°C、+20°C -.Testing Time: 8 hours/step -.Cycle index: 2 	<ul style="list-style-type: none"> -. Attenuation increment@1550nm:≤0.3dB -. No jacket cracking and fiber breakage
7	Burning Test	<p>#Test method: IEC 60794-1-F1</p> <ul style="list-style-type: none"> -.Flame Resistance: IEC 60332-3-24 -.Smoke Density: IEC 61034 -.Halogen acid: IEC 60754-1 	<ul style="list-style-type: none"> -.Through a single vertical burning test -.The release of the burning smoke light transmittance is greater than 50% -.Gas PH value is not less than 4.0
8	temperature	<p>Operating :-10°C~+60°C</p> <p>Store/Transport:-10°C~+60°C</p> <p>Installation:-10°C~+60°C</p>	

FIBER OPTIC CABLE BENDING RADIUS

Static bending: ≥ 10 times than cable out diameter

Dynamic bending: ≥ 20 times than cable out diameter.

PACKAGE AND MARK

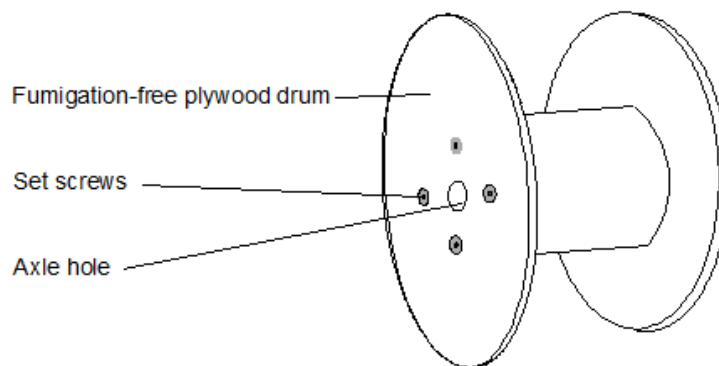
PACKAGE

Not allowed two length units of cable in one drum, Two ends should be packed inside drum, reserve length of cable not less than 1 meters.

MARK

Cable Mark: length, brand

Drum Mark: Manufacturer, cable category, No. of drum, length, GW. direction of rotation, manufacturing date.



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