FTTH Cable

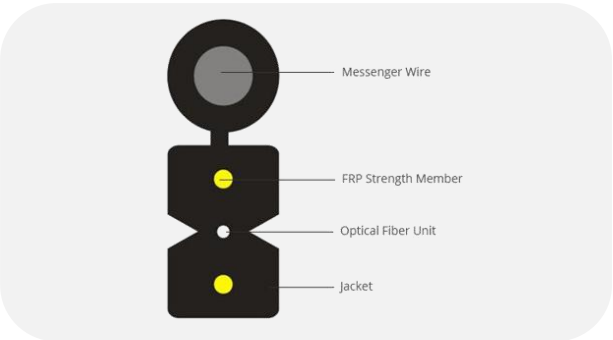
Self-supporting Flat Drop Cable GJYXFCH

Self-supporting FTTH drop cable is constructed with one or two single- mode fiber (G.657A). The cable is protected by a dielectric strength member made of fiberglass reinforced plastic (FRP), steel wire and a LSZH outer jacket. Designed for outdoor installation, the cable is well suited for connections between the dome closure and small dwelling unit/warehouse and independent villas.

FRP Strength Member GJYXFCH



Inner Structure GJYXFCH



Features and Benefits

- Self-supporting structure, light weight, easy to install
- Durable and flame retardant LSZH sheath, low smoke zero halogen
- Excellent mechanical and environmental performance
- Steel wire as additional strength member has high tensile strength
- Two parallel FRP strength members ensure good performance of anti- electromagnetic and crush resistance

Application

- Outdoor aerial application
- Used in the FTTH projects
- High performance optical network operation
- High speed optical routes in building

Technical Specification

Parameter	Unit	Life Cycle	1F	2F
Minimum Tensile Strength	N	short term	200	200
		long term	100	100
Minimum Crush Load	N/100mm	short term	1000	1000
		long term	300	300
Minimum Bending Radius	MM	short term	20D	20D
		long term	10D	10D
Storage Temperature	℃	-40 to +60		

Optical Characteristic

Parameter	Unit	G.652		50/125μm		62.5/125μm	
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz·km	-	-	850nm	≥600	850nm	≥200
		-	-	1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	-		0.200±0.015		0.275±0.015	
Cable Cut-off Wavelength	λcc (nm)	≤1260		-		-	

Order Information

FRP Strength Member LSZH Self-supporting FTTH Drop Cable

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)
		Singlemode 9/125 OS2		
1F	GJYXFCH-SM-FRP-1FL	FRP	(2.0±0.2)×(5.0±0.2)	20
2F	GJYXFCH-SM-FRP-2FL	FRP	(2.0±0.2)×(5.0±0.2)	20

Metal Strength Member LSZH Self-supporting FTTH Drop Cable

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)
		Singlemode 9/125 OS2		
1F	GJYXFCH-SM-MSM-1FL	Metal	(2.0±0.2)×(5.0±0.2)	20
2F	GJYXFCH-SM-MSM-2FL	Metal	(2.0±0.2)×(5.0±0.2)	20

KFRP Strength Member LSZH Self-supporting FTTH Drop Cable

Fiber Count	Part Number	Strength Member	Cable Diameter (mm)	Weight (kg/km)
		Singlemode 9/125 OS2		
1F	GJYXFCH-SM-KFRP-1FL	KFRP	(2.0±0.2)×(5.0±0.2)	20
2F	GJYXFCH-SM-KFRP-2FL	KFRP	(2.0±0.2)×(5.0±0.2)	20



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