

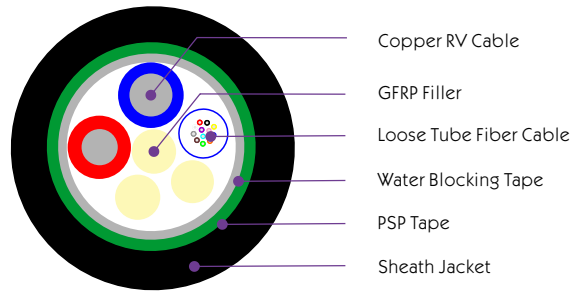


Stranded Loose Tube fiber +2C RVV HYBIRD FIBER COPPER CABLE

Fiber: 2-12F G657A(Loose Tube fiber cable) XTW PSP TAPE

Copper: 2C RVV(1.0-1.5mm²) 300V/500V

The cable is suitable for the data transmission and power supply between 5G communication devices for indoor applications.



Characteristics

Item	Description
Fiber Optic	UV fiber G.657.A1/2; @1310nm ≤0.35dB/km; 1550nm ≤0.2dB/km;
Fiber Out Diameter	9/125/250 μm
Loose Tube Diameter	2.0±0.2mm
Outer Jacket	PVC/LSZH
RVV Cable	1.5mm ² =30*0.25mm Stranded Copper
Out Diameter	2.2 mm PVC/PE
Filler	PP/LDPE
Center Strength	1.8mm GFRP
Wrapping	PSP Tape
Cable Out Diameter	6.1±0.2mm PVC
Length Cable/Spool	3km or 4km (2% tolerance in more)
Temperature range	-20~+65°C

RV Insulation Physical Properties

Before Aging:	Tensile Strength	≥9.0 Mpa
Aging Period	135±2°C×240h	
After Aging	Tensile Strength	≥8.0MPa
	Tensile strength variation	±25%
	Elongation	≥150%
	Elongation variation	±25%

Sheath Physical Properties

Before Aging:	Tensile Strength	≥10.0 Mpa
Aging Period	135±2°C×240h	
After Aging	Tensile Strength	≥10.0MPa
	Tensile strength variation	±25%
	Elongation	≥150%
	Elongation variation	±25%



Electrical Characteristics(20°C)

Conductor DC Resistance	13.3Ω/km Max.
Dielectric Strength	AC 2KV for 5min
Insulation Resistance	≥0.01MΩ*km@70°C

Optical Characteristics(20°C)

Attenuation coefficient	Max. from 1310nm to 1625nm	0.35 dB/km
	Max. at 1383±3nm	0.35 dB/km
	Max. at 1550nm	0.2 dB/km

Standards

ITU-T Rec. G.652.D	IEC 60794	GR-409
IEEE1292-2004	ICEA-596	YD/T 1997-2009

Other Characteristics

Working temperature:	- 20°C ~ +80°C
Min. installation temperature:	- 10°C
Storage and transport temperature:	- 20°C ~ +70°C
Rated voltage:	300V/500V
Flame test:	IEC 60332-1 & IEC 60332-3-24
Applications:	Indoor

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua