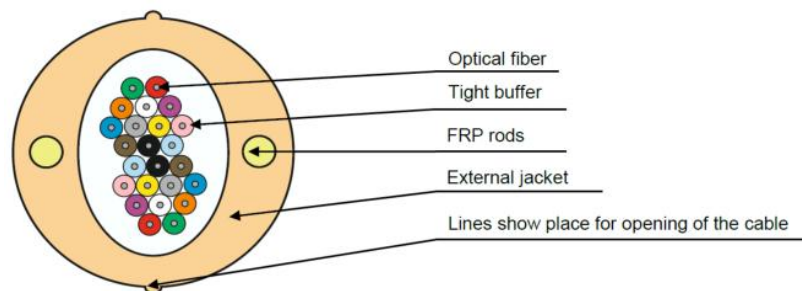


J-V(2ZN)H 24F, G.657A1, FRP, White or Yellow FR-LSZH, Anti-UV Resistant cable

Cable Design



Technical data

No. of cable		24
Fiber Model		G.657A1
Tight buffer	Material	LSZH
	Diameter (± 0.02) mm	0.9
Strength Member	Material	FRP
	Diameter (± 0.05) mm	0.8
	No.	2
Outer Sheath	Material	FR-LSZH, Anti-UV
	Color	White or Yellow
Cable Diameter (± 0.4) mm		10.5
Cable Weight (± 5.0) kg/km		86

Fibre Color

No.	1
Color	Nature

Inner Sheath Color

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

The Properties Of Optical Fiber (ITU-T Rec. G.657A1)

No.	Items	Unit	Specification
			G.657A1
1	Mode Field Diameter	1310nm	8.6 ± 0.4
		1550nm	9.6 ± 0.5
2	Cladding Diameter	μm	125.0 ± 0.7

3	Cladding Non-Circularity	%	≤0.7	
4	Core-Cladding Concentricity Error	μm	≤0.5	
5	Coating Diameter	μm	245±10	
6	Coating Non-Circularity	%	≤6.0	
7	Cladding-Coating Concentricity Error	μm	<12.0	
8	Cable Cutoff Wavelength	nm	$\lambda_{cc} \leq 1260$	
9	Attenuation(max.)	1310nm	dB/km	≤0.35
		1550nm		≤0.24
10	Macro-Bending Loss	1turn×7.5mm radius @1550nm	dB	≤0.4
		1turn×7.5mm radius @1625nm	dB	≤0.8

Mechanical And Thermal Performances

DESCRIPTION	VALUES	REFERENCES
Tensile Strength	Load 400N for 10 minutes .Variation of attenuation≤0.1dB .Fibers strain≤0.60%	IEC 60794-1-2-EIA IEC 60794-1-2-EIB IEC 60794-2-50
Crush Tset	Load 80N/100mm for 3 minutes .Variation of attenuation≤0.1dB	IEC 60794-1-2-E3 IEC 60794-2-50
Impact Test	Energy=3 J on surface of 12.5mm radius,3 times .Variation of attenuation≤0.1dB	IEC 60794-1-2-E4 IEC 60794-2-50
Bending Test	Radius of curvature=10×O.D .Variation of attenuation≤0.1dB	IEC 60794-1-2-E18A Procedure no.2
Thermal Cycles	Range -10°C/+50°C@1550nm .Variation of attenuation≤0.1dB	IEC 60794-1-2-F1 IEC 60794-2-20
Moisture resistance test	Pass	EN 60794-1-22-F5

Marking

The optical fiber drop cable shall have sequentially numbered length marking at intervals of approximately 1 meter. The starting number of ordering length for any coil shall begin with zero meter. The accuracy of the measurement of length marking shall be held within the limits of ±1%.