



Applications:

FTTH flat drop cable is designed to used indoor and outdoor, on last mile installation routes to connect final users to telecommunication network.



FTTH FLAT DROP CABLE, 1F G657A1, MESSENGER, 1000M

General	
Category	Drop
Cable Type	Interconnect
Fiber Type	G657 A1
Fiber Count	1
Fiber Color	Blue
Strength Member	FRP
Sheath Material	LSZH
Sheath Color	Black
Messenger	Galvanized Steel
Print	White ink. legible, cannot be wiped off by fingers
Packing	1000m wooden reel in box

Dimensions			
Strength Member Diameter	0.5 mm	0.020 in	
Cable Diameter	5.2*2.0 mm	0.205*0.079 in	
Messenger Wire Diameter	1.0 mm	0.039 in	
Wooden Reel	Flange Diameter	300 mm	11.81 in
	Hub Diameter	150 mm	5.91 in
	Traverse Width	270 mm	10.63 in

Mechanical			
Operating Temperature		-20°C to +65°C	
Bend Radius	Dynamic	40 mm Min.	
	Static	20 mm Min.	
Tensile Test: 50M (IEC 60794-1-2-E1)	Short Term	600 N 1min	Attenuation increment@1550nm:≤0.1dB
	Long Term	300 N 1min	
Crush Test (IEC 60794-1-2-E3)	Short Term	2200 N/100 mm 1min	Attenuation increment@1550nm:≤0.4dB
	Long Term	1000 N/100 mm 1min	
UV Resistance		ASTM D4329-92 (720hours UL1581)	

Optical			
Basic Fiber Requirements		ITU-T G.657	
Cable Attenuation	1310 nm	0.40 dB/km Maximum	0.35 dB/km Typical
	1550 nm	0.30 dB/km Maximum	0.21 dB/km Typical
Fiber Macro-bending Loss		0.25 dB Max. @ 1550nm (15mm radius,10 turns) 0.75 dB Max. @ 1550nm (10mm radius,1 turn)	
Chromatic Dispersion		3.5 ps/(nm × km) Max. @1285~1330nm 18.0 ps/(nm × km) Max. @1550 nm	
Zero Dispersion Slope		0.092 ps/(nm ² × km) Max.	
Zero Dispersion Wavelength		1300 to 1324 nm	
Proof Stress		0.69 Gpa Max.	

Compliance	
Applicable	RoHS2.0(2011/65/EU)
Reaction to fire	IEC 60332-1-2 EN 50575:2014+A1:2016 EN 13501-6(Eca)
Warranty	3 years



Proprietary information of SIGHTES TECHNOLOGY that may not be reproduced, disclosed or used for any purpose except under the authorized written consent of SIGHTES TECHNOLOGY and may be recalled at any time. Copyright 2022 SIGHTES TECHNOLOGY. All Rights Reserved Sep 9 2023