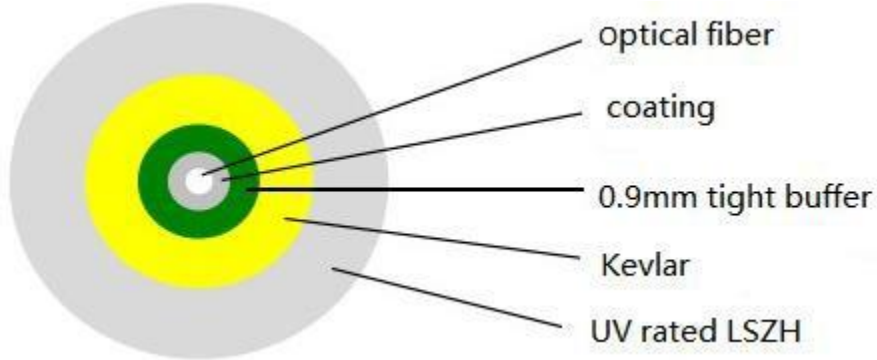


## 2.8mm G657A1 LSZH Hardened External Drop Cable

### Cable structure



### Fibre parameter

NO	Item		Specifications	
			G.657A1	
1	Cladding Diameter ( $\mu\text{m}$ )		125 $\pm$ 0.7	
2	Cladding non-circularity (%)		$\leq$ 0.7	
3	Core-cladding concentricity error ( $\mu\text{m}$ )		$\leq$ 0.5	
4	Mode field Diameter @1310&1550nm ( $\mu\text{m}$ )		(8.8~9.8) $\pm$ 0.4	
5	Cladding -coating concentricity error ( $\mu\text{m}$ )		$\leq$ 12.0	
6	Coating Diameter( $\mu\text{m}$ )		245 $\pm$ 0.5	
7	Fibre Cutoff Wavelength (nm)		$\lambda_{\text{cutoff}} \leq 1260$	
8	Attenuation(max.) (dB/km)	1310nm	$\leq$ 0.35	
		1550nm	$\leq$ 0.21	
9	Bend Loss (dB)	Bend Radius	10	15
		Bend Turns	1	10
		1550nm	$\leq$ 0.75	$\leq$ 0.25
		1625nm	$\leq$ 1.5	$\leq$ 1.0
10	Availability	G657A1 Corning Glass Fibre is available		

### Cable Parameter

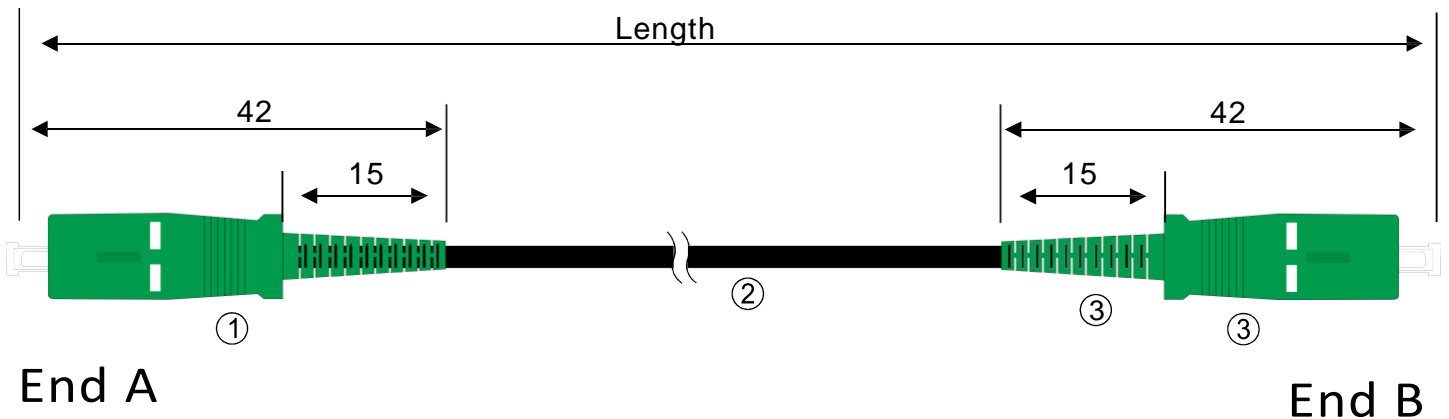
Item		Specifications
Fibre Type		SM G657A1
Fibre count		1
Tight-buffered Fibre	Dimension	850+/- 50 $\mu\text{m}$
	Material	LSZH
	Colour	White

Jacket	Diameter	2.9+/- 0.1mm
	Material	UV Rated LSZH
	Colour	Black
	Thickness	0.65+/-0.05mm
	Hardness	58D
Strength Member		Kevlar ( 800D*4+china yarn*4)
Printing content		OPTICAL FIBER CABLE G657A1 corning fibre 9/125 SIMPLEX 2.8MM LSZH

### Mechanical and Environmental Characteristics

Items	Unit	Specifications
Tension (Long Term)	N	100
Tension (Short Term)	N	200
Crush (Long Term)	N/10cm	200
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	60
Min. Bend Radius (Static)	mm	30
Installation temperature	°C	-20~+60
Operation temperature	°C	-20~+60
Storage temperature	°C	-20~+60

## Hardened Black UV Rated Drop Cable - SC/APC - SC/APC G.657A1 - 9/125um – Single Mode – Simplex - 2.8mm Cable - XX Metre



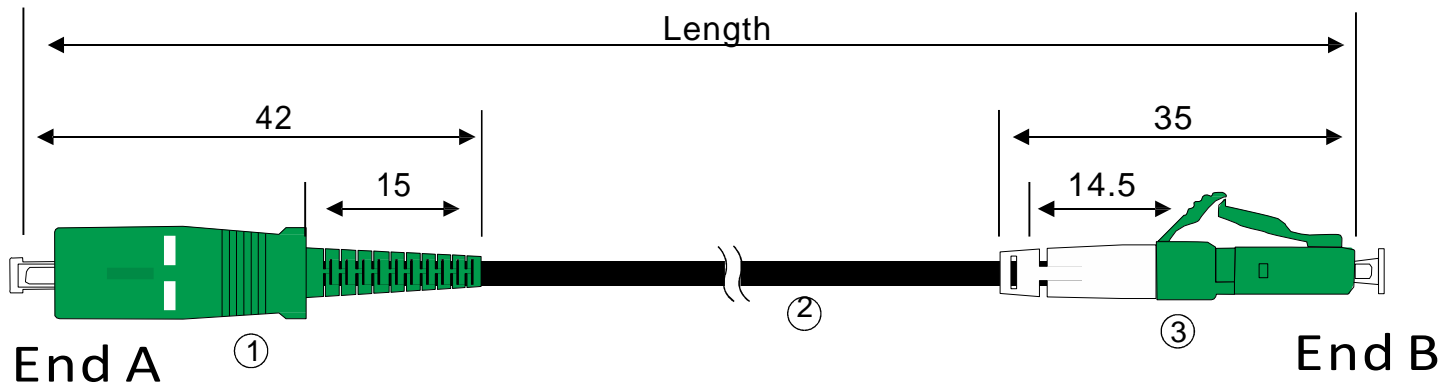
- ① Connector A type: SC/APC SM Simplex 3.0mm  
Housing Colour: Green      Boot Colour: Green (25mm short boot)
- ③ Connector A type: SC/APC SM Simplex 3.0mm  
Housing Colour: Green      Boot Colour: Green (25mm short boot)
- ② \*Fibre-SM: Optical Fibre (9/125 - G657A1)  
\*Cable Colour - SM: Black Hardened Jacket Simplex 3.0mm

\* Measurement Wavelength  
(SM=1310/1550nm)

Optical specifics	Single mode
1 - Insertion Loss	≤0.3dB
2 – Return Loss	≥60dB

Drop Tolerance Requirement	
Overall length (L) (M)	Length of tolerance (CM)
0 < L ≤ 20	+10/-0
20 < L ≤ 40	+15/-0
L > 40	+0.5%L/-0

## Hardened Black UV Rated Drop Cable - SC/APC - LC/APC G.657A1 - 9/125um – Single Mode – Simplex - 2.8mm Cable - XX Metre



- ① Connector A type: SC/APC SM Simplex 3.0mm  
Housing Colour: Green      Boot Colour: Green (25mm short boot)
- ③ Connector B type: LC/APC SM Simplex 3.0mm  
Housing Colour: Green      Boot Colour: White (14.5mm short boot)
- ② \*Fibre-SM: Optical Fibre (9/125 - G657A1)  
\*Cable Colour - SM: Black Hardened Jacket Simplex 3.0mm

\* Measurement Wavelength  
(SM=1310/1550nm)

Optical specifics	Single mode
1 - Insertion Loss	≤0.3dB
2 - Return Loss	≥60dB

Drop Tolerance Requirement	
Overall length (L) (M)	Length of tolerance (CM)
0 < L ≤ 20	+10/-0
20 < L ≤ 40	+15/-0
L > 40	+0.5%L/-0