

Description

It's a kind of Pro-connectorized FTTH patch cord assembly with OMC's **Own Patent Bullet SC APC connector V4.0** and **G657A2 Simplex LSZH/TPU high tensile strength cable**.

This Bullet SCAPC connector can be threaded though a Pipe with Inner Diameter>6mm. This is a last cable in FTTH project. It will be used between FAP box, FTB, FDB, Fact plate and ONU/ONT tec.

With easy accessibility to the fiber and simple installation, This kind of FTTH drop patch cable can be directly connected to the housing rooms.

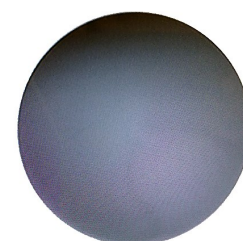


Optical Specifications

Connector	Standard SC-Bullet SC V4.0	Polish	APC-APC
Fiber Mode	9/125μm, G657A2/G657B3	Jacket Color	Black
Cable Type	3.0mm Simplex Round	Wavelength	SM:1310/1550nm
Cable Armored	Yes available	Jacket Material	LSZH/TPU/PE
Insertion loss	≤0.3dB(IEC Grade C1)	Crush Resistance(N/100mm)	Long term 100; short term:500
Return loss	SM APC ≥ 60dB(min)	Interchangeability &Vibration	≤0.2dB
Tensile Strength (N)	100-150N	Operation&Storage temperature	-20 ~ +70℃

End-face Quality (SM)

Zone	Range (μm)	Scratches	Defects	Reference
A: Core	0 to 25	None	None	IEC 61300-3-35:2015
B: Cladding	25 to 115	None	None	
C: Adhesive	115 to 135	None	None	
D: Contact	135 to 250	None	None	
E: Rest of ferrule		None	None	



SM APC

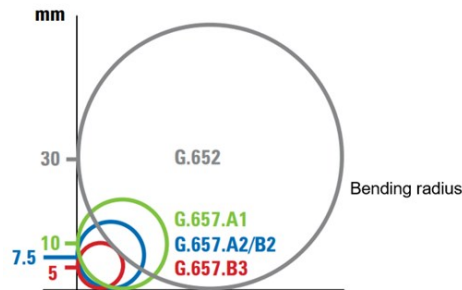
OMC's Own Patent Bullet SCAPC connector V4.0



Pulling Eye Force	150N-200N
SC Cap Material	SUS304
Boot	3.0mm
Drop cable	Round cable:3.0mm Flat cable:2x3mm;2x.5.0mm

LSZH 3.0mm Simplex Round Cable

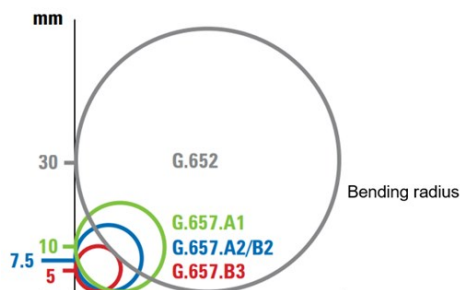
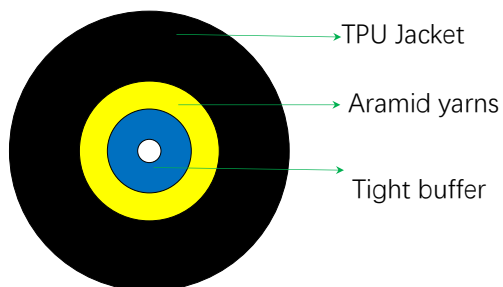
3.0mm Round FTTH Drop Cable with LSZH Jacket use Simplex round structure, A 900um tight buffer placed inside the cable. Then the cable is completed with Aramid yarn and LSZH sheath. It's easy to deploy and maintenance. It's the best choice for FTTX project.



Items		Description
Number of fiber		1F
Fiber type		G657A2 natural/Blue
Diameter of mode Field		1310nm: 8.8+/-0.4um, 1550:9.8+/-0.5um
Cladding diameter		125+/- 0.7um
Buffer	Material	LSZH Blue
	Diameter	0.9±0.05mm
Strength member	Material	Aramid yarn
Outer sheath	Material	LSZH With UV protection
	CPR LEVEL	CCA,DCA,ECA
	Color	Black
	Diameter	3.0+/-0.1mm
Installation Temperature range (°C)		-10 ~ +60
Operation and Storage temperature (°C)		-45 ~ +85
Min Bending Radius(mm)	Long term	10D
Min Bending Radius(mm)	Short term	20D
Min allowable Tensile Strength(N)	Long term	260 or 100N
Min allowable Tensile Strength(N)	Short term	800 or 200N
Crush Load (N/100mm)	Long term	100
Crush Load (N/100mm)	short term	500
Installation condition	Span(m)	80 or 40

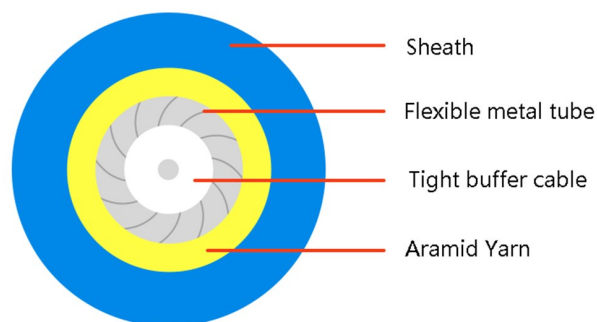
TPU 3.0mm Simplex Round Cable

3.0mm Round FTTH Drop Cable with TPU Jacket use Simplex round structure, A 900um tight buffer placed inside the cable. Then the cable is completed with Aramid yarn and TPU sheath. It's easy to deploy and maintenance. It's the best choice for FTTX project.



Items		Description
Number of fiber		1F
Fiber type		G657B3 Blue
Diameter of mode Field		1310nm: 8.8+/-0.4um, 1550:9.8+/-0.5um
Cladding diameter		125+/- 0.7um
Buffer	Material	LSZH Blue
	Diameter	0.9±0.05mm
Strength member	Material	Aramid yarn
Outer sheath	Material	TPU With UV protection
	Color	Black
	Diameter	3.0+/-0.1mm
Installation Temperature range (°C)		-10 ~ +60
Operation and Storage temperature (°C)		-45 ~ +85
Min Bending Radius(mm)	Long term	10D
Min Bending Radius(mm)	Short term	20D
Min allowable Tensile Strength(N)	Long term	260 or 100N
Min allowable Tensile Strength(N)	Short term	800 or 200N
Crush Load (N/100mm)	Long term	100
Crush Load (N/100mm)	short term	500
Installation condition	Span(m)	80 or 40

3.0mm Simplex Armored Round Cable



The armored cable is a special cable with a stainless-steel tube inside the cable which could protect the fiber bite by ant, mouse related rodent animals.

The Simplex Armored cable consists of a 0.6mm or 0.9mm tight buffer fibers, An armored flexible metal tube, a layer of Aramid yarn, and an outer jacket. It is an ideal choice for direct connection. It's the easiest fiber cable to install where direct termination of connectors to sub-units and direct run to panels and equipment is desired.

This cable could be used as normal electric wire.

Item	Contents	Unit	Value
Fiber type	/	/	G652D,G657A1,G657A2,G657B3,OM2,OM3,OM4
Cable diameter	±0.3	mm	3
Tight buffer	Material	/	PVC,LSZH
	Diameter	mm	0.6/0.9
Armored unit	Material	/	SUS204 Stainless-steel Spiral Tube
	Diameter	mm	1.4-1.5
Strength member	Material	/	Aramid Yarn
Outer sheath	material	/	LSZH/TPU
	Color	/	Blue,Yellow,Black, Orange,Grey,Aqua
Cable weight	±5%	kg/km	18

Item	Contents	Value
Max. tensile load	Short term	400N fiber strain ≤ 0.6%
	Long term	200N
Max. crush resistance	Short term	1000N/100mm
	Long term	500N/100mm
Torsion	Load:100N; number of cycles:10; twist angle:±180° No obvious addition attenuation, no fiber break and no cable damage.	
Impact	Impact energy:450g×1m; radius of hammer head:12.5mm,number of impact: 5; No obvious addition attenuation, no fiber break and no cable damage.	
Min. bending radius	Installation	20 x cable diameter
	Operation	10 x cable diameter