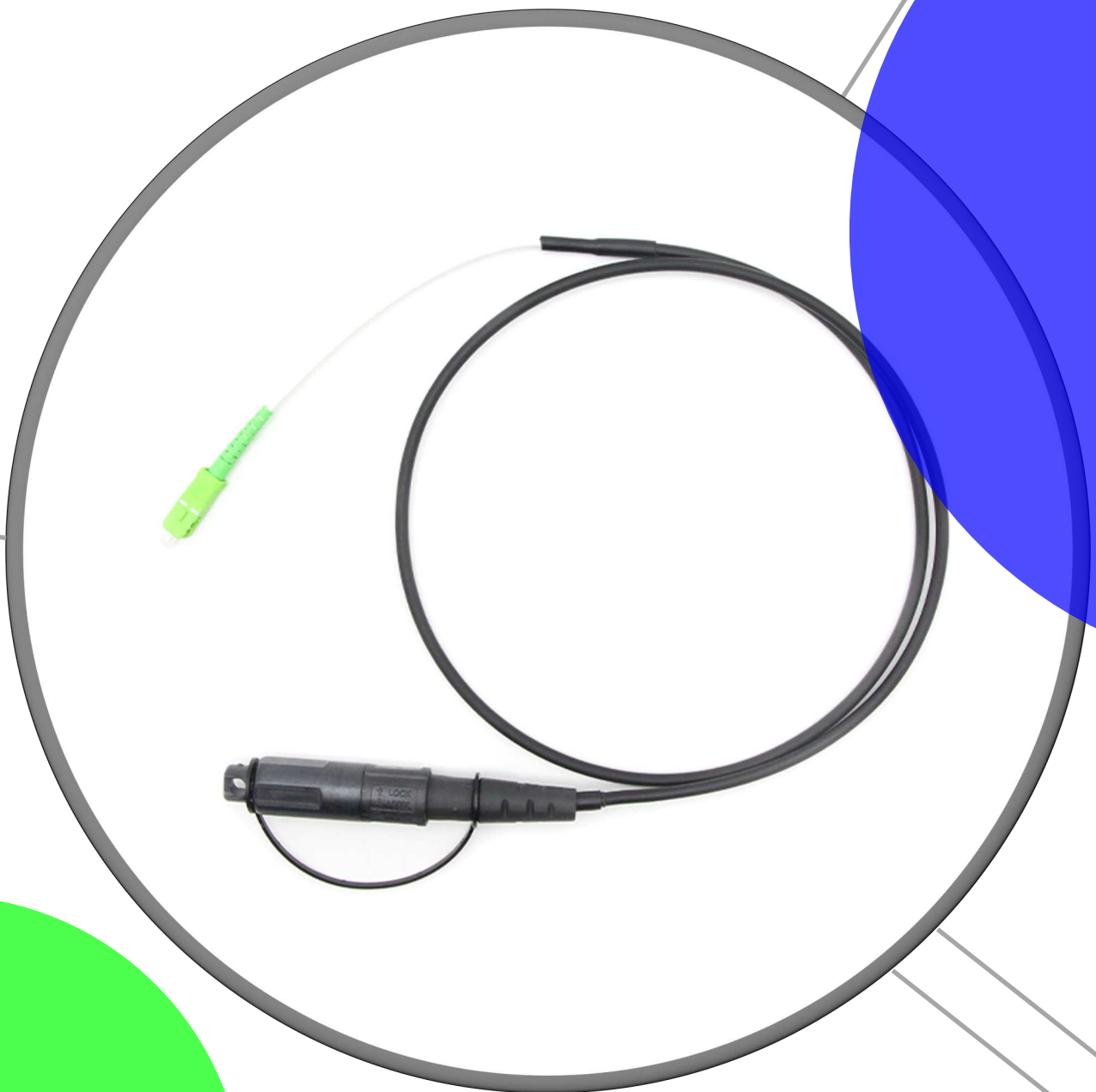


SPECIFICATION

OP(SCAPC)-SCAPC G657A2 SX 5.0MM PATCH CORD





OP(SCAPC)-SCAPC G657A2 SX 5.0mm Patch cord

Description

OMC's OptiTap SC APC-SCAPC Patch cord 5.0mm Patch cord is assembled with a double jacket 5.0mm OD. It offers good tensile strength in installation. The Huawei connector end incorporates an SC/APC type connection within a slim, sealed, threaded polymer housing allowing easy connection to either a multi port terminal or in-line extension receptacle.

This cable is easily pluggable into the optical termination boxes, in a way that there is no need to open the closure to activate new subscribers. OptiTap SC patch cord provide a robust and sealed connection. So it has a very good water-proof characteristics. All of those features make it a best solution for fiber to the home (FTTH) connectivity.

Patch cord's Optical Specifications



Connector	OP SC –Standard SC	Polish	APC-APC
Fiber Mode	9/125μm, G657A2	Jacket Color	Black
Cable OD	5.0±0.2mm	Wavelength	SM:1310/1550nm
Cable Structure	Simplex	Jacket Material	LSZH
Insertion loss	≤0.3dB(Super low loss)	Return loss	SM APC ≥ 60dB(min)
Operation Temperature	-10 ~ +70°C	Install&Storage temperature	-40 ~ +70°C

Remark: The IL in the table is only refer to the IL (connector). The product IL must contain the connector IL and fiber cable IL, IL all = 2 x IL (connector) + IL (1km cable IL)/1000 x L (cable length).

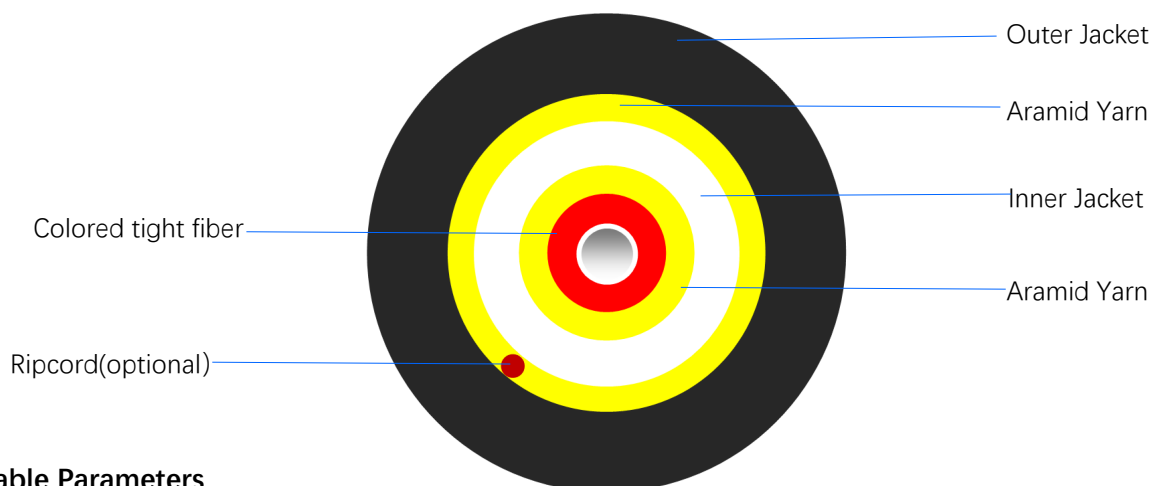
Mechanical and Environmental Characteristics

Items	Unit	Specifications	Reference
Span Length	M	50	
Tension(Long Term)	N	300	IEC 61300-2-4
Tension (Short Term)	N	600	IEC 61300-2-4
Crush (Long Term)	N/10cm	300	IEC 61300-2-5
Crush (Short Term)	N/10cm	1000	IEC 61300-2-5
Min. Bend Radius (Dynamic)	mm	20D	
Min. Bend Radius (Static)	mm	10D	
Operating Temperature	°C	-20~+60	IEC 61300-2-22
Storage Temperature	°C	-20~+60	IEC 61300-2-22

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	

Cable Technical Data



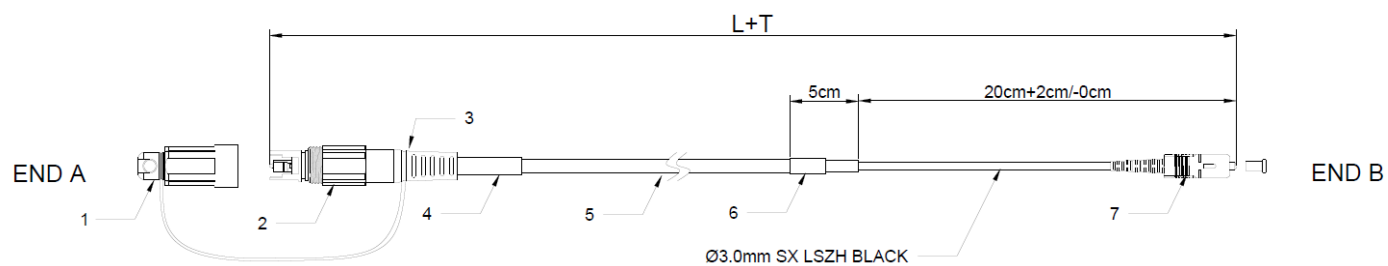
Fiber Cable Parameters

Items		Parameters
Fiber count		1F, 9/125μm, G657A2
Tight butter	Diameter	0.9±0.1mm
	Color	Red or Blue or white or green
Inner Jacket	Diameter	2.9mm±0.1mm or 2.0mm±0.1mm
	Material	LSZH
	Color	White&Black or Others
Strength Member		Aramid Yarn
Outer Jacket	Diameter	5.0mm±0.2mm
	Material	LSZH
	Color	Black

Connector Optical Specifications

Type	OP SC APC, Compatible with OptiTap SC APC
Insertion loss	Max. ≤ 0.3 dB
Return loss	≥ 60 dB
Tensile strength between optical cable and connector	Load: 300N Duration: 5s
Water proof	IP67
Fall	Drop height: 1.5 m Number of drops: 5 for each plug Test temperature: -15°C and 45°C
Bending	Load: 45 N Duration: 8 cycles, 10s/cycle
Torsion	Load: 15 N Duration: 10 cycles ± 180°
Static side load	Load: 50 N for 1h
Water proof	Depth: under 3m of water. Duration: 7 days
Change of temperature	Temperature: -25°C to 70 °C Duration at extreme temps: 1h Temperature change speed: 1°C/min Cycles: 12

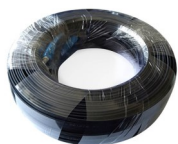
Length Tolerance



Overall Length(L) (m)	length of tolerance (cm)
10<L<40	+15/-0
40<L	+0.5% x L/-0

Packaging

This easily taken and well-protected fiber patch cable package has been labelled and marked by OMC as default . Which carton to be used depends on goods Qty . Packing can be customized.



1,PE Wrap



2,Paper Carton



3,Palletized

Installation conditions

Weather condition	Max. span(m)	Installation sag	Installation sag ratio (m)	Installation tensile (N)	Weather load tensile (N)	weather load sag(m)	weather load sag ratio
Max. wind peed: 37 m/s ice: 0	50	1.5%	0.5	157	773	1.44	2.9%
Max. wind speed: 26.67 m/s ice: 0	80	1.0%	1.125	157	713	2.23	3.0%
Max. wind speed: 10.7 m/s ice: 6.35mm	70	1.4%	0.98	157	744	2.09	3.0%