

Issue No. : 01

Date of Issue : 25/10/2017

Revision No. : 03

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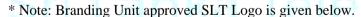
**Introduction:** This specification relates to standards and requirements of the Patch Codes.

**Application:** Applicable locations in FTTH network are mentioned below.

- Inside FDP Terminate fiber drop wire into FDP
- Inside Rosette Terminate fiber drop wire into Rosette

#### Characteristics, Specifications & Requirements

- 1. One end SC-UPC and other end SC-APC
- 2. One end connector colour is Blue (SC-UPC) and other is green (SC-APC)
- 3. Fiber type SINGLE MODE
- 4. Standard IEC61754-4
- 5. Cable type G.657.A2
- 6. The outer sheath of the cable is PVC material
- 7. Outer sheath Colour is Yellow
- 8. Length -1m, 2m, 3m, 5m, 0.5m, 0.6m
- 9. Insertion Loss Typical<0.1dB, Max<0.3dB
- 10. Return Loss Typical: -50dB
- 11. Repeatability < 0.1dB





- 1 Supplier Compliance Sheet to be filled by the supplier in Page 2
- 2 QA Section Test Report to be filled by the QA Staff in Page 3
- 3 Field Report Format to be filled by the field staff in Page 4





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**Supplier Compliance Sheet** 

Index No:	Characteristics	Feature	SLT Requirement	Complied/ Not Complied	If Complied, whether it has been provided with the Bid Proposal (Yes / No)	Location of the Reference (Document No., Chapter No., Heading No., Paragraph No., Line No. of the supporting bid document)	Explanatory Notes
1	General	1.1 Product Description	Fiber Patch Code				
		1.2 Number of years, does Patch Code manufacturer provides its product in international/Local Telco industry	More than 3 years				
		1.3 Complete profile of Patch Code manufacturer is supplied	Data sheets, Specification sheets, Profile of company				
2	Dimensions	2.1 Length	1m, 2m, 3m, 5m, 0.6m, 0.5m				
	Material	3.1 Outer Sheath color	Yellow				
3		3.2 Outer sheath material 3.3 Connector color	PVC/LSZH SC-UPC: Blue, SC-APC: Green				
	Characteristics	4.1 Cable Type	G.657.A2				
		4.2 Cable standard	IEC61754-4				
		4.3 Fiber Type	Single Mode				
		4.4 Insertion Loss	Typical<0.1dB, Max<0.3dB				
4		4.5 Return Loss	Typical: -50dB				
·		4.6 Connection durability	>1000 times	60	on		
		4.7 Type of connectors	One end SC-UPC, other SC-APC				
	Signature				Company(Signature with Frank)		
	Name						
	Date						



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### **QA Section Test Report**

Index No.	Characteristics	Feature	SLT Requirement	Measurement/Observation
1		1.1 Product Description	Fiber Patch Code	
	General	1.2 Number of years, does Patch Code manufacturer provides its product in international/Local Telco industry	More than 3 years	
		1.3 Complete profile of Patch Code manufacturer is supplied	Data sheets, Specification sheets, Profile of company	
2	Dimensions	2.1 Length	1m, 2m,3m,5m, 0.6m, 0.5m	
		3.1 Outer Sheath color	Yellow	
3	Material	3.2 Outer sheath material	PVC/LSZH	
		3.3 Connector color	SC-UPC: Blue, SC- APC: Green	
		4.1 Cable Type	G.657.A2	
	ARRE	4.2 Cable standard	IEC61754-4	
	All in	4.3 Fiber Type	Single Mode	
1	7 -	4.4 Insertion Loss	Typical<0.1dB, Max<0.3dB	
4	Characteristics	4.5 Return Loss	Typical: -50dB	
All	7 /			
ø		4.6 Connection durability	>1000 times	
		4.7 Type of connectors	One end SC-UPC, other SC-APC	
	Signature		Signature with Frank	
31	Name	ака теп	ecom	
	Date	11123		



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#### Field Report Format

No	Observations/ Experience at the Installation/ subsequent	Comment	Remarks if any
1	Length-1m, 2m,3m,5m, 0.6m, 0.5m	Yes/ No	
2	Outer cover is plastic	Yes/ No	
3	Outer Sheath color-Yellow	Yes/No	
4	Outer sheath material-PVC/LSZH	Yes/No	
5	Connector color-Blue/Other side: Green	Yes/No	
6	Cable Type-G.657.A2	Yes/No	
7	Fiber Type-Single Mode	Yes/No	
8	Type of connectors-one side SC-UPC, other side SC-APC	Yes/No	
9	Insertion Loss-Typical<0.1dB, Max<0.3dB	Yes/No	
Signatur	·e	Date:	
Service	No		

Sri Lanka Telecom PLC