
 <p>Sri Lanka Telecom One Country. One Voice.</p>	<p>Specification for OSP Material FTTH E2E Fiber Distribution Point (FDP) OQMS SGD 047</p>	<p>Issue No. : 01 Date of Issue : 04 – Dec – 2016 Revision No. : 01 Date of Revision : 10 – Jan - 2018 Page : 1 of 4</p>
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1 Scope


This Specification relates to Fiber Distribution Points (FDPs) and its accessories for interconnecting exchange side aerial with discrete fiber drop cables to the customer premises equipment.

2 Application:

Widely used in FTTH access network for fiber's splicing, distributing and splitting

3 Characteristics and Requirements

- 3.1 Outdoor -Pole mount or wall mount
- 3.2 Capacity: Minimum 8 customers per FDP
- 3.3 Smooth and easy wiring inside FDP
- 3.4 Should have space for Splice point- splitter input
- 3.5 Should have adequate space for keep secondary cable coil and 8 drop fiber coil
- 3.6 Should have separate slot to accommodate(Fix properly) one number of 1x8 splitter (Note: Splitter casing dimensions (LXWXH) is 60x7x4 mm
- 3.7 Suitable to mount on concrete poles approved by SLT
- 3.8 Should have separate 24 splicing points except splicing slot to accommodate Splitter's input splicing sleeve
- 3.9 Can be used for branching within FDP
- 3.10 Minimum 2 inlet ports and 8 outlet ports
- 3.11 Upto 8 SC/UPC adapter should accommodate
- 3.12 Should have replaceable pole mount brackets.
- 3.13 FDP can be secured with a locking device (either lock, screw)
- 3.14 Should have a facility to do mid span (express cabling)
- 3.15 Should comply with IP 65 /IP 66

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3.16 All material should comply with RoHS

3.17 ABS+PC (alloy material) or thermo plastic, or Industry standard user interface be made of high impact plastic shall be used for the case and cover of the FDP

3.18 Case and cover of the FDP must be anti –UV , ultra violet resistant and rainfall resistant with Compact structure, good dustproof property.

3.19 The steel used for the FDP (Ex. Pole mount brackets) shall be treated with the anti-corrosive treatment such as the hot-dipped Zinc coating and successive anti-rusting treatment

3.20 The material used for the FDP and Accessories shall have long life and be of high quality to withstand the ambient temperature and the environment conditions in Sri Lanka.


4 Marking

SLT LOGO shall be printed on front side. The Branding Unit approved logo is given below



5 Methods of Test

This shall be tested from quality assurance section at the reception of material

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Material Description:		Fiber Distribution Point
Part No:		
Area/Place of installed:		
Date		
Observations/ Experience at the Installation/ subsequent	Comment	
Outdoor – Pole Mount or Wall Mount	Yes/No	
Capacity – Min 8 customers	Yes/No	
FDP fixing firmly to the pole at top and bottom position.	Yes/No	
Simply and clearly arrange incoming and outgoing cable arrangement	Yes/No	
Enough work space for efficient splicing or adopter patching	Yes/No	
Small Size / Light Weight	Yes/No	
Separate Slot for accommodate 1 :8 Splitter	Yes/No	
Availability of Protection method against lightning	Yes/No	
FDP Secured with a locking device	Yes/No	
Possibility to entering water inside the FDP	Yes/No	
Minimum of 2 inlet ports and 8 outlet ports	Yes/No	
Replaceable pole mount brackets are available.	Yes/No	
PLC Splitter type compatibility	Yes/No	
Possible to mark FTC No and FDP No on the cover.	Can/Cannot	
Printed/ Embossed SLT Logo on the cover.	Yes/ No	
Recommendation to install in SLT network	Recommended/ Not Recommended	
Comments		
Name:..... Signature.....	Service No.....	
Certify by:	Service No.....	