
 <p>Sri Lanka Telecom One Country. One Voice.</p>	<p>Specification for OSP Material FTTH E2E Splitter OQMS SGD 044 – (e)</p>	<p>Issue No. : 01 Date of Issue : 04 – Dec – 2016 Revision No. : Nil Date of Revision : Nil Page : 1 of 3</p>
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1 Scope

This specification relates to the standards and requirements of the Splitters used in FTTH networks

2 Application:

Splitters is designed to split the power inside the Fiber termination cabinet (FTC) and Fiber distribution point (FDP)

3 Characteristics and Requirements

3.1 Planar Light Circuit (PLC) Splitters

2.0m, 0.9mm SC/UPC pigtails for input and Output – 8(D side) or 9(Both Side) pigtails, Case Dimension (LXWXH) should be 60x7x4 mm

3.2 Cassette type Splitter

2.0 m, 2.0mm, SC/UPC pigtails connected for input and output – 9 pigtails

3.3 Blade type Splitter

0.5 m, 0.9mm SC/UPC pigtails connected for input and output, with 1 input and 8 output ports


4 Technical requirement

4.1.1 Input and output fiber standard is G.657.A2 or G.652.D

4.1.2 Comply with TELCORDIA GR-1209-CORE& TELCORDIA GR-1221-CORE

4.1.3 All material comply with ROHS requirement

4.1.4 All discrete connector performance criteria to meet TELCORDIA GR-326 core

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- 4.1.5 Fiber type –single mode
- 4.1.6 Label should be on the casing
- 4.1.7 Operating wavelength will be 1260 ~ 1360 nm & 1450 ~ 1650 nm
- 4.1.8 Insertion loss should be less than 10.7 dB for 1x8 splitter & less than 7.2 dB for 1x4 splitter
- 4.1.9 Return loss must be ≥ 50 dB
- 4.1.10 Insertion loss should be less than 0.3 dB for SC/UPC connectors

5 Marking

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



6 Methods of Test

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