ITU-T Study Group 15

L.suppl.65 National experiences with respect to ITU-T L.1xx-series optical fibre cables, installation methods, and test methods

This supplement provides information on national experiences which are related to existing ITU-T L.1xx-series Recommendations, including optical fibre cable technology for various application environments, installation methods in various environments and/or applications, as well as test methods for various optical fibre cables for specific applications.

This supplement can be used as a comprehensive collection of case studies since the requirements and installation methods of optical fibre cables vary considerably from country to country and region to region.

Table 1 Summary of considered topics and source of national experiences

Clause	Topic (Source)	Recommendation
8	Indoor optical fibre cable (Japan)	ITU-T L.103 (2016)
9	Optical fibre cable for drop application (US, Japan, China)	ITU-T L.105 (2010) Amd. 1
10	Microduct optical fibre cable (China)	ITU-T L.108 (2018)
11	Optical/metallic hybrid cable (China, France, Poland, Swiss)	ITU-T L.109 (2024)
12	Type II optical/electrical hybrid cable (China)	ITU-T L.109.1 (2022)
13	Optical fibre cable for direct surface application (Bhutan, Mongolia, Kenya, Italy, US)	ITU-T L.110 (2017)
14	Optical fibre cable for in-home application (China, Japan, India, US)	ITU-T L.111 (2020)
15	Installation of optical ground wire cable (China)	ITU-T L.151 (2020)
16	Air blowing installation of optical fibre cable (India)	ITU-T L.156 (2018)
17	Protection from biological attack (General guideline)	ITU-T L.161 (2000)
18	Criteria for optical cable installation with minimal existing infrastructure (Japan, Tanzania, Rwanda, India, Congo)	ITU-T L.163 (2018)

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