

OITDA/TP 12/AD (2019 Ed. 2)

Guideline of optical connector end-face cleaning method for receptacle style optical transceivers

Summary

This technical report describes the guideline of optical connector end-face cleaning method for receptacle style optical transceivers. Receptacle style optical transceivers such as SFP, XFP, QSFP, are commonly and widely used for not only telecom use, but also datacom use. The problem of failures of optical performances for receptacle style optical transceivers has been raised in the field. One of the causes is considered as contaminations on the end-face of optical connector inside the transceivers. This guideline suggests the suitable cleaning methods for three types for single-fiber and two types for multi-fiber receptacle transceivers. This report is considered as a better suggestion for operating manuals for fiber optic network operators in case of handling receptacle style optical transceivers.

The main revising points of Ed. 2 are adding the terms and definitions, and the recommended cleaning tools depending on the internal structures for MPO interface optical transceivers.