

WATER PENETRATION TEST (WPT) ON OPTICAL FIBRE CABLES

- ☞ Shows effectiveness of use of water blocking materials in fiber optic cable
- ☞ Assurance criterion for the cable's resistance to longitudinal water penetration
- ☞ **Specification:**
 - ☞ 1 meter fiber optic cable sample for 1 hour under a water column of 1 meter
 - ☞ 3 meters fiber optic cable sample for 24 hours under a water column of 1 meter
- ☞ The water column height decides the pressure due to water on the cable.
- ☞ WPT is conducted as per IEC-60794-1-2-F5 or EIA/TIA-455-82 (FOTP-82).
- ☞ Pass criterion: not to observe any water at the far end of 3 meters after 24 hours.

