

UL1685-UL1666 Compliant Cables

FPLR rated cable is made out of a special PVC compound and are in compliance towards UL1685/UL1666. In the UL1685 standard the cable will be exposed to fire for a period of 20 min and in UL1666 it will be exposed to fire for 30min. Basically what the test want to proof is that the fire shall not travel between floors in a building, that's why its also called Riser test.

Test Method

Two tests with cables mounted next to each other will be done, 5.33m long cable is to be tested in a chamber that is 2.44m x 5.8m. It will use a 154.5kw burner for propane gas. Test time for FPLR is 30 minutes. The flame propagation height shall not exceed the 3.66m height after the 30 minutes. Temperature shall not exceed 454.4°C at any thermocouple.

