

LEONI *technical report*

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UV resistance acc. to UL 1581, sec. 1200

UL 1581 is a reference standard for electrical wires, cables and flexible cords.

Its section 1200 describes requirements for UV resistance of cables. Reference for the test is made to UL 2556.

The test is not limited to special materials; it must be fulfilled by samples of complete cable.

In general outdoor cables should be UV-resistant, because these cables may be installed in direct sunlight.

The test is carried on cable samples, which become aged in UV light (xenon arc or carbon arc lamp) for 720 hours. On samples of sheath material elongation at break and tensile strength is measured. The values may not drop below 80% of unaged samples.

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