

U.I. Lapp GmbH · Schulze-Delitzsch-Straße 25 · 70565 Stuttgart

To our valued customers

19.04.2016

Use of polyurethane sheathed cables outdoors (UV resistance)

Dear Sir or Madam,

LAPP KABEL ÖLFLEX® and UNITRONIC® cables with an outer jacket material of polyurethane (PUR) are suitable for outdoor use. They have proven itself for that kind of usage for many years. This statement refers to the natural UV load which usually occurs by the light of the sun (UV light). The service lifetime of flexible PUR cables is generally defined by the mechanical and physical stress to which the cable is exposed in the application and is not limited by Weather influences.

The colour of the cable jacket can fade due to the UV exposure, but this does not affect the mechanical properties of the cable.

This statement is valid for outdoor use in areas with moderate UV irradiation, as in central European countries (temperate zones, e.g. Germany.).

However, this does not apply to areas where cables are exposed to high and/or long-term UV radiation such as: use in coastal areas, deserts, near seas and in the high mountains (e.g. the Alps), Polar Regions and regions with very high UV exposure as Australia and New Zealand (the "ozone hole"). For such exposed locations a black-coloured PUR jacketed cable should be used because they offer an increased UV protection due to the carbon black.

Kind Regards

Product Management Cables
U.I. LAPP GmbH

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