



Leonardo da Vinci 1  
08191 Rubí (Barcelona) Spain

## CERTIFICATE OF CONFORMANCE

### **Top Cable, S.A. hereby certifies**

The Xtrem H07RN-F type cables, manufactured by Top Cable, with the following make up

- Flexible electrolytic copper conductor: class 5 (IEC 60228)
- Special EPR rubber insulation: types EI4, EI6 and EI7 (EN 50363-1)
- Special chlorinated rubber (CPE) outer sheath: types EM2 and EM7 (EN 50363-2-1)

are designed, manufactured and tested fully in accordance with the latest revision of Standard EN 50525-2-21. All the tests carried-out on these cables ensure their perfect performance once in service.

Among the tests required in this standard, these cables also meet the ozone resistance and the no flame propagation.

The particular standard of the cable H07RN-F (EN 50525-2-21) does not indicate any specific test of UV exposure, but it does consider its permanent use outdoors:

According to EN 50565-1 and EN 50565-2 (old HD 516 Guide) to harmonized use of low voltage cables, these H07RN-F cables are accepted for permanent outdoor use (Table 3A of EN-50565-2 and Annex A of EN-50565-1) as follows:

*A.3 Permanent outdoor use: The cable is designed to resist the various environmental stresses, including weather which can be met outdoors in "the intended environment".*

Normally, the elastomeric materials used in the outer jacket of these cables contain Carbon Black as a reinforcing filler in a content greater than 3%, which makes their UV resistance are excellent even though there are no associated tests.

We understand that in the permanent outdoor use is also the temporal exposure to sun rays.

Rubí, 25 march 2021

A handwritten signature in blue ink, appearing to be "Felipe Díaz".

Felipe Díaz  
Technical manager