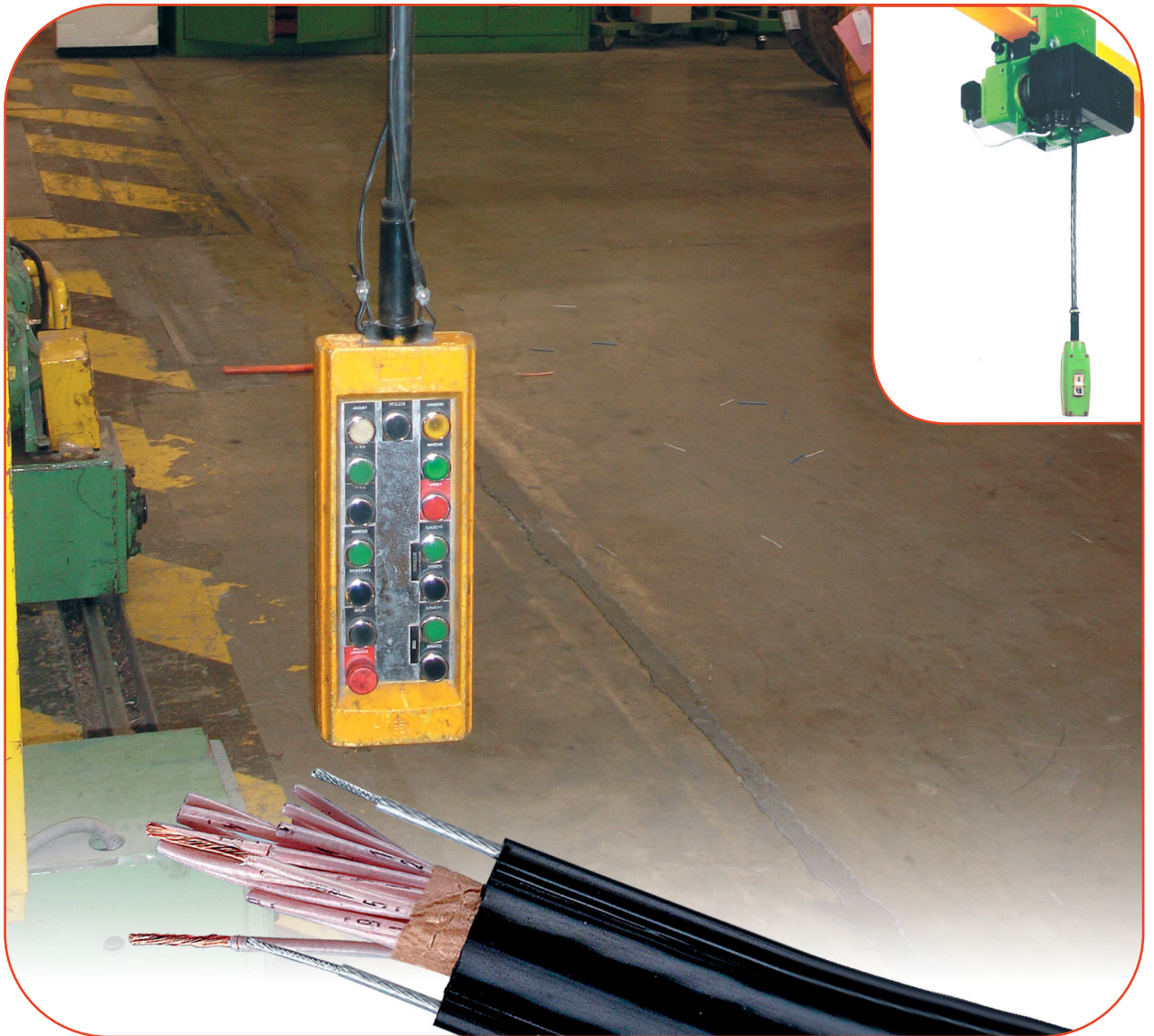


BOITALYON®
PVC Pendant Overhead Crane Cables



BOITALYON®R

PVC Pendant Overhead Crane Cables

Applications

300/500 V

Special cable with lateral suspension strands used to remote control overhead cranes from pushbutton boxes. It can be used for installations where the hanging length of cable does not exceed 50 m.

Design

1. Conductor

Flexible, plain copper
class 5
IEC 60228

2. Insulation

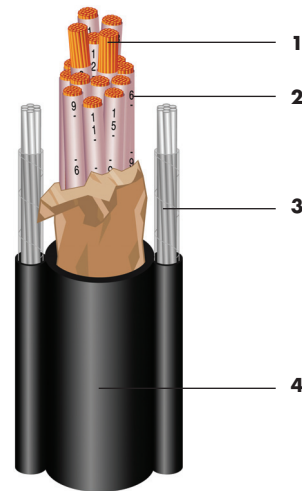
XLPE

3. Lateral suspension members

Sheathed stranded steel wires

4. Twin "figure 8" outer sheath

PVC
Colour: black



Marking

BOITALYON - 300/500 V
Number of cores - cross-section
NEXANS - year - week

Cores Identification

White printed numbers
with or without earth core
(green-yellow)

Standards

Nexans specification

Mechanical properties

| | |
|---|--|
| Max. tensile load of the two steel supports | 1,000 N |
| Bending radii | 10 x D (cable diameter) |
| Tests | alternating/reversed bending test, torsional resistance test |

Chemical properties

Oil resistant.
 For indoor and outdoor applications. Moisture, UV and ozone resistance.
 Flame-retardant according to IEC 60 332 part 1.

Electrical and Thermal properties

| | | |
|---|---|-----------|
| Nominal voltage | U ₀ /U | 300/500 V |
| Maximum operating voltage in AC systems | U _m | 500 V |
| Test voltage | 2.5 kV in AC | |
| Current rating (A) | see electrical characteristics page 3.2 B | |
| Max. temperature at the conductor: | | |
| - in service | + 90 °C | |
| - in short circuit | + 250 °C | |
| Max. surface temperature: | | |
| - mobile operation | - 25 °C up to + 60 °C | |



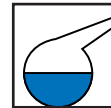
Flexible



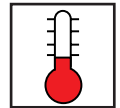
Good



Good



Good



-25 + 60 °C

BOITALYON® R

| Number of cores and nominal cross-section (mm ²) | Outer dimensions approx. (mm) | Weight approx. (kg/km) |
|---|----------------------------------|---------------------------|
| 5 x 1.5* | 20.0 x 9.5 | 210 |
| 8 x 1.5* | 24.0 x 12.5 | 300 |
| 12 x 1.5* | 24.0 x 12.5 | 350 |
| 12 G 1.5* | 24.0 x 12.5 | 350 |
| 16 x 1.5* | 25.5 x 14.5 | 440 |
| 20 x 1.5* | 27.0 x 15.5 | 520 |
| 20 G 1.5* | 27.0 x 15.5 | 520 |
| 30 x 1.5* | 30.0 x 19.0 | 700 |

*Stocked products

Options

- Other cross-sections on request