

## BO-FLEX 110 ORANGE

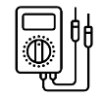
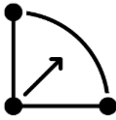
PVC control cable, flexible and numbered orange cores, especially for warning purposes and exempted circuits, also for YSLY or YY



Image for illustration only

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conductor:</b>                               | Fine wire according to VDE 0295, class 5/IEC 60228 class 5                                                                                                                                                                                                                                                                                                                                     |
| <b>Insulation:</b>                              | PVC                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Colour Code:</b>                             | Orange cores with black numbers                                                                                                                                                                                                                                                                                                                                                                |
| <b>Outer Sheath:</b>                            | PVC, orange (similar to RAL 2003)                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cable Printing:</b>                          | - standard                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Technical Data &amp; Standard References</b> | <b>Advantage</b><br>Space-saving installation due to small cable diameters High electrical performance due to 4 kV test voltage                                                                                                                                                                                                                                                                |
|                                                 | <b>Product features</b><br>Flame-retardant according IEC 60332-1-2                                                                                                                                                                                                                                                                                                                             |
|                                                 | <b>Norm references / Approvals:</b><br>Based on IEC 60227-5 and EN 50525-2-51                                                                                                                                                                                                                                                                                                                  |
|                                                 | <b>Technical Data:</b><br><b>Nominal Voltage:</b><br>U0/U: 300/500 V<br><b>Test Voltage:</b> 4000 V<br><b>Torsion movement in WTG:</b> TW-0 & TW-1, refer to Appendix T0<br><b>Minimum bending radius:</b><br>Occasional flexing: 15 x outer diameter Fixed installation: 4 x outer diameter<br><b>Temperature range:</b> Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C |

## TECHNICAL DATA AND PRODUCT FEATURES

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|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  | <p><b>TEMPERATURE RANGE</b><br/> Occasional flexing: -5°C to +70°C<br/> Fixed installation: -40°C to +80°C</p>        |
|  | <p><b>WORKING VOLTAGE</b><br/> U0/U: 300/500 V</p>                                                                    |
|  | <p><b>TEST VOLTAGE</b><br/> 4000 V</p>                                                                                |
|  | <p><b>BENDING RADIUS</b><br/> Occasional flexing: 15 x outer diameter<br/> Fixed installation: 4 x outer diameter</p> |

**Application:** According to EN 60204-1 (VDE 0113-1), conductors of control circuits that are supplied by an external power source and/or remain live when the main switch is deactivated must be orange Electrical lighting and socket circuits for maintenance or repair purposes Undervoltage protection circuits Interlocking control circuits Suitable for torsional applications which are typical for the loop in wind turbine generators (WTG)