

ÖLFLEX® ROBUST 210

DB 002 1880

valid from: 2013-10-15

Application

ÖLFLEX® ROBUST 210 cables are control cables for flexible use and fixed installation for a robust mechanical use. They are for use in dry, damp and wet rooms. Under following to the indicate temperature range is an use outside possible. At room temperature they are increased resistant against acids, caustics solutions and certain oils, greases, waxes of vegetable, animal, mineral and/or synthetic basis. All materials used for these cable are halogen free.

Application range

ÖLFLEX® ROBUST 210 cables are used as flexible control cable in machine tool building, in medical technology, in laundries, in car washing equipment, in chemical industry, in composting plants and in sewage works. They are for use in the food and beverage industry, especially for production and processing equipment of milk and meat products.

Design

| | |
|---------------------|---|
| Design | based on EN 50525-2-51 resp. VDE 0285-525-2-51 / HD 21.13 S1 resp. VDE 0281-13 |
| Conductor | fine wire strands of bare copper acc. to IEC 60228 resp. VDE 0295, Class 5 |
| Core insulation | modified PP-compound |
| Core identification | acc. to VDE 0293, with or without GN/YE ground conductor black cores with whit numbers acc. to DIN EN 50334 resp. VDE 0293-334 |
| Outer sheath | special TPE-compound colour: black, similar RAL 9005 |

Electrical properties

| | | |
|-----------------|-------------|-------------|
| Nominal voltage | U_0 / U | 300 / 500 V |
| Test voltage | core / core | 4000 V AC |

Mechanical and thermal properties

| | |
|---------------------|--|
| Min. bending radius | occasional flexing: 15 x outer diameter fixed installation: 4 x outer diameter |
| Temperature range | occasional flexing: -40 °C up to +80 °C max. conductor temp. fixed installation: -50 °C up to +80 °C max. conductor temp. |
| Oil resistance | TM5 acc. to EN 50363-4-1 resp. VDE 0207-363-4-1 |
| UV-resistance | acc. to EN ISO 4892-2-2006, method A (change of colour allowed), acc. to VDE 0276-605 / HD 605 S2 |
| Tests | acc. to IEC 60811 resp. VDE 0473, VDE 0472, EN 50395, EN 50396 |
| EC-Directives | This cable is conform to the EC-Directives 2006/95/EC (Low Voltage Directive) and 2011/65/EU (RoHS, Restriction of the use of certain hazardous substances). |

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