

ÖLFLEX® ROBUST 200

DB 002 1800

valid from: 2014-02-10

Application

ÖLFLEX® ROBUST 200 cables are power 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 200 cables are used as flexible power 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. 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	up to 5 cores: acc. to VDE 0293-308 from 6 cores: black with white numbers with or without GN/YE ground conductor 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	450 / 750 V
Test voltage	core / core	4000 V AC

Mechanical and thermal properties

Min. bending radius	occasional flexing: 10 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
Ozone resistance	acc. to EN 50396 resp. VDE 0473-396, method B
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).