ÖLFLEX® ROBUST 215 C

valid from: 03.11.2009

Application

ÖLFLEX® ROBUST 215 C cables are screened 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. ÖLFLEX® ROBUST 215 C cables are used as flexible control cable in machine tool manufacture, plant engineering, in power stations, in heating and air conditioning installations, agriculture, food-, pharmaceutical- and cosmetically industry, in composting- and sewage plants, by the production of textile fiber, of water based purification plants by industrial and private use. Suitable for freely moved, not permanently recurrent movement without forced guidance and tensile stress. The screen is a protection against electrical interference.

Technical data

Design	based on HD 21.13S1 resp. VDE 0281-13
Conductor	bare copper, fine wire strand in accordance to IEC 60228 resp. VDE 0295, class 5
Core insulation	Special PP based compound
Identification	Black cores with white numbers with or without GN/YE ground conductor acc. to DIN EN 50334 resp. VDE 0293-334
Wrapping	insulated foil of plastic
Screen	braid of tinned copper, coverage = 85 % (nominal value)
Outer sheath	TPE compound, black
Nominal voltage	300 / 500 V
Test voltage	core/core: 4000 V AC core/screen: 2000 V AC
Min. bending radius	occasional flexing: 20 x cable diameter fixed installation: 6 x cable diameter
Temp. range	occasional flexing: -40 up to +80° C max. conductor temperature fixed installation: -50 up to +80° C max. conductor temperature
Tests	acc. to IEC 60811 resp. VDE 0473 and VDE 0472
EC directive	This cable is conform to ECD 2006/95/EC (Low Voltage Directive).

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