



DATA SHEET	281803
ÖLFLEX® CONTROL TM & TM CY	Valid from : 11.06.2007

Application

ÖLFLEX® CONTROL TM II as well as -TM CY is a flexible and oil resistant Tray and Machine Cable. Multi-conductor, 600V, 90°C, UL Type MTW, TC-ER, DP-1 and AWM, c (UL) CIC/TC, CSA AWM, flexible control cable for fixed installation and medium mechanical stress. In accordance to NFPA 79 Edition 2007, Article 12. Wiring of industrial machines as well as wiring in between machines acc. NEC. Cable is oil resistant and has exposed run (ER) approval. In industrial establishments, where the conditions of maintenance and supervision ensure that only qualified persons service the installation, TC-ER shall be permitted between a cable tray and utilizations equipment or devices without conduits ("exposed run"). For use in wet and dry locations. In Hazardous Locations Class 1, Div. 2 per NEC Art. 336, 392, 501. ÖLFLEX® CONTROL TM has a metric-sized fine stranded bare copper AWG conductors. Specially blended PVC/nylon insulation; specially formulated PVC jacket. Silver-grey (RAL 7001).

Technical data

Conductor	Fine bare copper wires, flexing use per UL 1063, UL1581 ASTM B3; AWG, metric-sized.
Design/Make-up	Cable is constructed in accordance with the requirements of the Underwriters Laboratories Inc.'s Standard for Machine Tool Wire per UL Standard 1063 as well as electrical Power and Control Tray Cables per UL Standard 1277 & CSA Standard C22.2 No 230 & 239
Conductor Insulation	Special formulated PVC / Nylon insulation
Conductor Indent -code	Black cores with white numbers, "G" indicates GNYE protective conductor
Screen:	Type -TM CY only: Aluminium- foil and tinned copper braid with high optical coverage factor (ca. 85%)
Jacket:	Special PVC- compound, Oil resistant (Oil res I); flame retardant (FT4), silver-grey.
Rated Voltages	1000V – UL AWM; 600V- UL Type TC, MTW & DP 1; c(UL) CIC/TC, CSA AWM IEC: U ₀ /U 300/500V,
Test voltage	2000V
Temperature Range:	Static: -40°C to +90°C (AWM: +105°C), Flexing: -5°C to +90°C During installation: Not below -20°C
Minimum Bending Radius:	6 x cable diameter for installation.
Flame retardant	UL 1581, section 1160 UL which exceeds IEC 60332.1 conform to EN 60332.1 resp VDE 0482-332-1, CSA FT 4
Approvals	USA: UL MTW (Machine Tool Wire/NFPA 79); UL Type TC (Tray Cable)- ER (Exposed-Run) or DP-1, UL AWM; Canada: c(UL) CIC/TC FT4 CSA AWM I/II A/B FT4, Mexico: NOM SCFI-1994
Oil resistant	UL: Oil Res. I
Tests	UL MTW File # E155920; UL TC File # E171371, UL AWM File #E100338
Conformity	Conforms to the European Low Voltage Directive (CE) Conforms to the European RoHS Directive (RoHS) Automotive Industry: Labs-free (Silicone-free)

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