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Data Sheet

K-FLEX 7000 TC ER MTW UL AWM 1000 V

Description :	Increased oil-resistant Control and Power supply Cables, conforming to NFPA 79 2007 wiring norms and NEC 336.10(7) manufactured according to UL 1277 (Tray cable – Exposed run – Oil resistant) and UL 1063 (MTW).
Design:	
Construction :	Cores type TFF for sizes 1 and 1,5 mm² and UL Listed THHW for bigger sizes Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and UL 83 standard Special PVC Insulation compound type QMTT2 Outer sheath in special PVC according to UL 1277 and UL 1063
Manufacturing's Controls:	Test and Control according to our certificated **ISO 9001-2015** CSQ-IMQ (EQ-NET) Quality System procedure. Labor tests reports are stored in our internal Q.C. laboratory archive together with the production reports
Norms :	Flammability of Cable according category FT4/IEEE of Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables, UL 1685 standard. Construction according to UL 1277 and UL 1063 (Oil-resistant according to UL OIL RES I and Water-resistant, UL Wet Approval 75 °C) According to UL 2277 Flexible Motor Supply Lead Cable (ZJFH) and Wind Turbine Tray Cable (ZGZN) American and Canadian UL recognized aaccording to UL AWM styles 10012 and 21179 and CSA AWM I/II A/B According to CSA 239-09 Standard for Control and Instrumentation Cables UV resistant according to EN 50396 and HD 605 A1 – Sun Light Resistant according UL 1581 Direct Burial according UL 1277 part 5.2 (wet-locations insulation) and 18.1 – 18.6 (crushing test). The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE
Technical dates :	• Nominal voltage: TC and MTW 600 V. / AWM 1000 V. / IEC 1000 V. • Spark Test voltage: 6000 V • Fixed installation working temperature: -40°C to + 90°C (UL AWM +105°C) Occasional flexing working temperature: -5°C to + 90°C (UL AWM +105°C) • Fixed installation minimum bending radius = 4 x cable Ø Occasional flexing minimum bending radius = 13 x cable Ø
Use :	Efficient stocking! These control cables are especially suitable for export-orientated machinery. It is suitable for control equipment on machine tools subjected to medium mechanical stresses, for fixed or flexible installation, where free movement is required without tensile stresses and without forced guidance systems, in dry, damp and wet interiors (including water-oil mixtures). Machine tools compliant with UL MTW (Machine Tool Wiring) TC-ER (Tray Cable Exposed Run) approval for open wiring between cable tray and industrial machines plants acc. to NEC 336.10(7) Class 1, Div. 2 in accordance with NEC "National Electrical Code" Art. 336, 392, 501

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