



## K-PLUS 7000 TC ER MTW UL

**Description :** Drag chain application, 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 mm<sup>2</sup> and UL Listed THHW for bigger sizes

- Extra Flexible bare copper conductors according to CEI 20-29 Class 6, DIN-VDE 0295 K6 and UL 83 standard
- Special PVC Insulation compound type QMTT2
- Nonwoven tape over each layer
- Outer sheath in special PVC according to UL 1277 and UL 1063

**Manufacturing's Controls:**

Test and Control according to our certificated **ISO 9001-2008 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 )

American and Canadian UL recognized according to UL AWM styles 10012 and 2587 and CSA AWM I/II A/B

The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- |  |                 |
|--|-----------------|
| • Nominal voltage:                             | 600 V           |
| • Spark Test voltage:                          | 6000 V          |
| • Fixed installation working temperature:      | -40°C to + 90°C |
| Occasional flexing working temperature:        | -5°C to + 90°C  |
| • Fixed installation minimum bending radius    | = 4 x cable Ø   |
| Flexing chain installation min. bending radius | = 7,5 x cable Ø |

**Use :**

Efficient stocking! These control cables are especially suitable for export-orientated machinery. Designed for up to 8 million bending/unbending cycles in the power chain, appropriate for use in power chains or moving machine parts, for travel distances up to 12 m.

Suitable to be used 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