



K-PLUS 7500 CY TC ER MTW UL

Description: Drag chain application, Increased oil-resistant screened Control and Power 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
 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
 Tinned copper wires braiding with coverage of 85%
 Nonwoven tape
 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)
 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
- Chain flexing application min. bending radius = 7,5 x cable
- Max Speed Unsupported 3 m/s
gliding 2 m/s
- Max Acceleration 20 m/s²

Use:

Efficient stocking! These control cables are especially suitable for export-orientated machinery. Designed for 5 million alternating bending cycles and horizontal travel distances up to 10 meters.
 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