



## K-PLUS 7100 MTW THHW UL HAR

**Description :**

Drag chain application, increased oil-resistant Control and Power supply single core cables, conforming to NFPA 79 2007 wiring norms and NEC "National Electrical Code" Art. 310, 610, 620, manufactured according to UL 1063 (MTW), and UL 1063 MTW (Construction A).

**Design:**

**Construction :**

Cores construction type A according UL 1063  
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

**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 :**

Flame retardant, Test method B according to DIN VDE 0472 part 804, IEC 60332-1 and UL VW-1  
Construction according to:

- UL 83 type THHW ( Oil-resistant according to UL OIL RES I )
- UL 1063 MTW Construction A.
- American and Canadian UL recognized UL AWM styles 1015 and CSA AWM I A
- CEI 20-20/3 4th Ed. 1996 + V1:2002 + V2:2009 and HD 21.3 S3:1995 + A1:1999 + A2:2008

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

**Technical dates :**

- Nominal voltage: UL 600 V - HAR 450/750 V.
- Spark Test voltage: 6000 V
- Fixed installation working temperature: UL -40°C to + 90°C HAR -40°C to +70°C
- Occasional flexing working temperature: UL -5°C to + 90°C HAR -5°C to +70°C
- Fixed installation minimum bending radius = 4 x cable Ø
- Flexing minimum bending radius = 8 x cable Ø

**Use :**

Designed for 5 million alternating bending cycles and horizontal travel distances up to 10 meter.

Suitable for use in power chains or moving machine parts, these power single core cables are especially suitable for export-orientated machinery. It is suitable for control equipment on machine tools subjected to medium mechanical stresses, as well for fixed or occasionally flexible installation., in dry, damp and wet interiors (including water-oil mixtures).

Machine tools compliant with UL MTW (Machine Tool Wiring) acc. to "National Electrical Code" Art. 310, 610, 620