



## K-PLUS 8600 CP POWER UL CSA

**Description :** Drag Chain application, EMC compliant, Increased oil-resistant Control and Power supply shielded single core cables, conforming to UL AWM Style 11624 and CSA AWM I A/B.

**Design:**



**Construction :** 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 TI3 UL 80°C 758  
Nonwoven tape  
Tinned copper wires braiding with coverage of 85%  
Nonwoven tape  
Outer sheath in special PUR FHF type according UL 80°C 758

**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 :** S Self-extinguish according to test method B IEC 60332-1  
Flame retardant rating UL FT2  
High oil-resistance - Abrasion and notch-resistant - Low-adhesive surface  
Resistant to hydrolysis and microbes  
According to UL styles 11624 and CSA-AWM I A/B  
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage: 1.000 V
- Spark Test voltage: 10.000 V
- Fixed installation working temperature: -40°C to + 80°C
- Occasional flexing working temperature: -5°C to + 80°C
- Fixed installation minimum bending radius = 6 x cable Ø
- Chain installation minimum bending radius = 15 x cable Ø
- Max Speed Unsupported 3 m/s  
gliding 2 m/s
- Max Acceleration 20 m/s<sup>2</sup>

**Use :** These power single core cables are especially suitable for export-orientated machinery. In power chains or moving machine parts. This cable can substitute multi-core power cables where space requirements or minimum bending radii cause problems.  
Designed for 3 million alternating bending cycles and horizontal travel distances up to 10 meter.  
It can be used also in fix or occasional flexing installation, in dry, damp and wet interiors.