



## K-PLUS 8100 UL CSA

**Description :** American and Canadian approved, increased oil-resistant, control and power supply single core cables, for use In power chains or moving machine parts.

**Design:**



**Construction :** Extra Flexible bare copper conductors according to CEI 20-29 Class 6, DIN-VDE 0295 K6, IEC 60228 Cl.6 and UL 83 standard  
 Special PVC Insulation compound type TI3 UL 90°C 758  
 Black Green Yellow or other colour coded core  
 Outer sheath in special PVC TM3 type according UL 90°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  
 Reduced Fire Propagation, Fire retardant as IEC 60332-3-24 - CEI 20-22 II and NBN C30-004, cat. F2

Flame retardant rating UL VW1 and CSA FT1  
 Oil-resistance according DIN EN 50290-2-22 resp. VDE 0819-102, TM54  
 According to UL styles 10107 and CSA-AWM I A/B  
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

<b>Technical dates :</b>	<ul style="list-style-type: none"> <li>• Nominal voltage: 600 V</li> <li>• Spark Test voltage: 6000 V</li> <li>• Fixed installation working temperature: -40°C to + 90°C</li> <li>• Flexing working temperature: -5°C to + 90°C</li> <li>• Fixed installation minimum bending radius = 6 x cable Ø</li> <li>• Chain installation minimum bending radius = 12 x cable Ø</li> <li>• Max Speed Unsupported 3 m/s gliding 2 m/s</li> <li>• Max Acceleration 20 m/s<sup>2</sup></li> <li>• Max Torsion ±90°, for 1 m cable length</li> </ul>
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**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.