



K-PLUS 8100 POWER 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 1032 and CSA-AWM I A/B

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

Technical dates :	<ul style="list-style-type: none"> • Nominal voltage: 1.000 V • Spark Test voltage: 10.000 V • Fixed installation working temperature: -40°C to + 90°C • Flexing working temperature: -5°C to + 90°C • Fixed installation minimum bending radius = 6 x cable Ø • Chain installation minimum bending radius = 12 x cable Ø • Max Speed Unsupported 3 m/s gliding 2 m/s • Max Acceleration 20 m/s² • Max Torsion ±90°, for 1 m cable length
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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.