



K-FLEX 3100 UL CSA

Description : Increased oil-resistant Control and Power supply single core cables, conforming to UL AWM Style 10107 and CSA AWM I/II A/B.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5, IEC 60228 Cl.5, DIN-VDE 0295 K5 and UL 83 standard
 Special PVC Insulation compound type TI3 UL 90°C 758
 Black or Green Yellow coloured 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 : Self-extinguishing, test method B according to DIN VDE 0472 part 804, IEC 60332-1, UL 1581 section 1060 (Vertical Flame and FT1 Test)
 Reduced Fire Propagation according to IEC 60332-3-24
 Oil-resistance according DIN EN 50290-2-22 resp. VDE 0819-102, TM54
 According to UL styles 10107 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
- Occasional flexing minimum bending radius = 13 x cable Ø

Use : 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, for fixed or flexible installation, where free movement is required without tensile stresses and without forced guidance systems, in dry, damp and wet interiors (including water-oil mixtures).