



K-FLEX 9000 CP

Description : EMC-compliant power supply and control cable with TPE insulated numbered cores and PUR outer sheath. 300/500 V. Working voltage.

Design:



Construction : Flexible Tinned copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and IEC 60228 Cl.5
TPE EPDM- polypropylene based elastomer insulation compound
Black numbered cores + GY core
Special PUR inner sheath, matt and low adhesive surface
Tinned copper screening with coverage 85% ± 5%
Special PUR outer sheath, matt and low adhesive surface

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 : High oil-resistance according EN 60811-1-2:1995, Abrasion and notch-resistant - Low-adhesive surface
Resistant to hydrolysis and microbes
Ozone resistant according VDE 0472 part 805 and UV resistant according HD 605 A1
Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
Low smoke density according to IEC 61034
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 300/500 V
- Spark Test voltage : 3000 V
- Working temperature: Flexing: -40°C to +80°C
Fixed installation: -50°C to +90°C
- Minimum bending radius: For flexible use: 9 x outer Ø
Fixed installation: 5 x outer Ø

Use : Suitable for free, not continuously moving appliance without tensile load or compulsory guidance as well as for fixed laying.
Suitable for use in measuring, control and regulating circuits so as in wiring of machines, tools, devices, appliances and control cabinets. Suitable for outdoor use within the indicated operating temperature range. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.