



K-PLUS 9959 C TPE STATIC

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

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
Polypropylene insulation compound according VDE 0250, Part 215, type 9YI2 and CEI-EN 60811-4-2
Black numbered cores with or without GY core.
Polyester tape
Tinned copper screening with coverage 85% ± 5%
TPE-V Polypropylene and EPDM based jacket compound

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 - 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: -25 °C to +80 °C
Fixed installation: -40 °C to +80 °C
- Minimum bending radius : For flexible use: 15 x outer diameter
Fixed installation: 6 x outer diameter

Use : This control and supply cable, due to its proved all-weather resistance so as the resistance to a wide range of chemicals and to the ester-based hydraulic fluids is suitable to be used in machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works, food and beverage industry. It's Suitable for indoor and outdoor use within the indicated operating temperature range. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.
This cable is suitable for free, not continuously moving appliance without tensile load or compulsory guidance as well as for fixed laying.