



K-PLUS 9000 TPE C CHAIN POWER

Description : EMC-compliant power supply and control cable with TPE insulated numbered cores and TPE outer sheath. 600/1.000 V. Working voltage.

Design:



Construction : Extra Flexible bare copper conductors according to CEI 20-29 Class 6 and DIN-VDE 0295 K6
TPE polypropylene and EPDM based elastomer insulation compound
Black numbered cores + GY core
Nonwoven tape over each layer
TPE polypropylene and EPDM based elastomer jacket compound
Tinned copper screening with coverage 85% ± 5%
Nonwoven tape
TPE polypropylene and EPDM based elastomer jacket

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 - Low-adhesive surface
Resistant to hydrolysis to warm and hot water and microbes
Ozone resistant according VDE 0472 part 805 and UV resistant according HD 605 A1
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE
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Technical dates :

- Nominal voltage : 600/1.000 V
- Spark Test voltage : 6000 V
- Working temperature: Flexing: -40°C to +105°C
Fixed installation: -60 °C to +105°C
- Minimum bending radius: For flexible use: 8 x outer diameter
Fixed installation: 4 x outer diameter

Use : Designed for 10 million alternating bending cycles and horizontal travel distances up to 100 meter.
Suitable for use in power chains or moving machine parts. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.
Resistant to contact with plant, animal or synthetic-based organic oils, greases, waxes and the related emulsions, ammonia compounds and bio-gases.
Good resistance to cold and hot water as well as water-soluble cleaning agents
Suitable for outdoor use within the indicated operating temperature range.