



K-PLUS 9000 P POWER CHAIN F.R

Description : Chain application, Flame retardant, TPE insulated and PUR sheathed control and power supply cable manufactured for working voltage till 600/1.000V.

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
 Special flame retardant 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 - 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
 Flame-retardant according to UL (CSA) FT1 rating
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600/1.000 V
- Spark Test voltage : 6000 V
- Working temperature : Flexing: -40°C to +90°C
 Fixed installation: -60 °C to +90°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.
 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.