



K-PLUS 3000 P H.F

Description : Halogen Free, high mechanical resistance, multi cores, power supply and control cable with special polyolefin insulation and PUR jacket, working voltage 300/500 V.

Design:



Construction :

Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
Halogen free insulation compound type **TI6** according to HD 21.14 S1 annex A
Black numbered cores with or without green yellow core
Talc
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 - 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 : 300/500V
- Spark Test voltage : 3000 V
- Specific insulation resistance: > 20 GOhm x cm
- Working temperature : Occasional flexing: -5°C to +70°C
Fixed installation: -40°C to +80°C
- Minimum bending radius Flexible use: 12.5 x outer Ø
Fixed installation: 4 x outer Ø

Use :

K-PLUS 3000 P H.F. can be used wherever cables are exposed to wear and tear under extreme conditions. Can only be used outdoors if the temperature range is observed.

For free, non-recurring movement without tensile load or compulsory guidance.

The minimum external diameter reduces the space required for the cable.

Resistant against almost all mineral oils, microbes and very resistant against wear and tear because of high abrasion resistance.

Manufactured free of substances harmful to lacquer (LB-free / silicone free) and is therefore suitable for use in lacquering shops

Particularly suitable where human and animal life as well as valuable property are exposed to high risk of fire hazards