



K-PLUS 2500 CONTROL CP

Description :

High mechanical resistance, EMC-compliant power supply and control cable with coloured coded cores Low space requirement due to small cable diameter. Working voltage 300/500 V.

Design:



Construction :

Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
PVC Insulation compound type TI1 according to CEI 20-11 and VDE 0207
Coloured coded cores according HD 308 table
Polyester tape
Tinned copper screen with coverage 85%
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
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 Occasional flexing: 20 x outer Ø
Fixed installation: 6 x outer Ø

Use :

The range of application for the control cable K-PLUS 2500 CONTROL CP with copper screening braid includes all electrical systems in dry, damp or wet interiors, especially in industrial and/or in EMC-critical environments. The cable can be installed outdoors with UV protection only and in observance of the temperature range. It is suitable for fixed installation, but also for flexible applications under conditions of sporadic, not continuously returning movement on/in machinery, appliances, rail vehicles, ventilation and air-conditioning systems, office machines, industrial plants with low mechanical stress.