



K-PLUS 3500 H.F. CP

Description : Halogen Free, high mechanical resistance, EMC-compliant Control Cable with numbered 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
 Halogen free insulation compound type **TI6** according to HD 21.14 S1 annex A
 Black numbered conductors with or without green yellow core
 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
 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 Occasional flexing: 20 x outer Ø
 Fixed installation: 6 x outer Ø

Use : The range of application for the control cable K-PLUS 3500 H.F. 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. 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