



## K-PLUS 9415 CP

**Description :** 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  
 Insulation in polyurethane-compound TPU according to DIN VDE 0282, part 10, annex A -  
 Black numbered cores with or without green yellow core  
 Polyester tape  
 Tinned copper screen with coverage 85%  
 Outer sheath in polyurethane-compound TPU according to DIN VDE 0282, part 10, annex A,  
 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:** Flame retardant, Test method B according to DIN VDE 0472 part 804 and IEC 60332-1  
 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

Oil Resistant according EN 60811-2-1

Halogen-free according to IEC 60754-1 (amount of halogen acid gas) Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)

The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : 600/100V
- Spark Test voltage : 6000 V
- Working temperature : Occasional flexing: -25°C to +80°C  
Fixed installation: -40°C to +90°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 9415 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.