



## K-PLUS 9315 C POWERFUL

**Description :** Heat resistant, EMC-compliant power supply and control cable with special TPE-V EPDM and polypropylene based numbered cores and TPE-V outer-sheath. 300/500 V. Working voltage.

**Design:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K6  
 TPE-V Polypropylene and EPDM based elastomer insulation compound  
 Black numbered cores + GY core.  
 Polyester tape  
 Tinned copper screening with coverage 85% ± 5%  
 TPE-V Polypropylene and EPDM based jacket compound - Black.

**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 :** Halogen-free according to IEC 60754-1 (amount of halogen acid gas)  
 Oil Resistant according EN 60811-1-2:1995  
 Ozone and UV and weather resistance according to EN 50396 and HD 605 S2  
 Flammability: HB rating according with UL 94  
 Continuous upper temperature resistance according to SAE J2236 (135°C - 1008 hrs)  
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

**Technical dates :**

- Nominal voltage : 300/500 V
- Spark Test voltage : 3000 V
- Working temperature : Occasional Flexing: -40°C to +105°C  
 Fixed installation: -60°C to +120°C
- Minimum bending radius : For flexible use: 20 x outer Ø  
 Fixed installation: 6 x outer Ø

**Use :** This control and supply cable, due to its proved all-weather resistance so as the resistance to a wide range of chemicals and to the ester-based hydraulic fluids is suitable to be used in machine tool building, medical technology, laundries, car washing equipment, chemical industry, composting plants, sewage works, food and beverage industry. It's Suitable for indoor and outdoor use within the indicated operating temperature range. The copper braid serves as electromagnetic screen between the internal electric circuits and the environment.  
 This cable is suitable for free, not continuously moving appliance without tensile load or compulsory guidance as well as for fixed laying.