



K-FLEX 3500 CY POWER F.R

Description : Flame retardant, EMC-compliant 600/1000 V. connection and power shielded cable with black numbered code cores for high-power servo motors.

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
Black numbered coded cores
Tinned copper screen with coverage 85% over polyester tape
Outer jacket in PVC TM2 according to CEI 20-11 and VDE 0207

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: Self-extinguish according to test method B IEC 60332-1
Reduced Fire Propagation, Fire retardant as IEC 60332-3-22 - CEI 20-22 II and NBN C30-004, cat. F2UV and weather-resistant according to ISO 4892-2
Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM54
Ozone-resistant according to EN 50396
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600/1.000 V.
- Spark Test voltage : 6000 V
- 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 power supply and control cable K-FLEX 3500 CY POWER with tinned copper wires braiding 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 medium mechanical stress.