



K-FLEX EMC 2XY(St)CY 0,6-1 KV

Description : EMC-compliant power supply double screened cable with colour code cores for high-power servo motors.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 DIN-VDE 0295 K5 and IEC 60228 Cl.5
XLPE Halogen free insulation compound
Coloured coded cores according HD 308
PVC inner sheath compound type **TM2** acc.to HD 21.14 S1 annex B
Aluminium polyester tape with alu outside
Tinned copper screening with coverage 85% ± 5%
PVC outer sheath compound type **TM2** acc.to HD 21.14 S1 annex B

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
UV and weather-resistant according to ISO 4892-2
Ozone-resistant according to EN 50396
Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM54.
The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 600/1000V
- Spark Test voltage : 5000 V
- Working temperature : Occasional flexing: -15°C to +70°C
Fixed installation: -40°C to +70°C
- Minimum bending radius Occasional flexing: 20 x outer Ø
Fixed installation: 6 x outer Ø

Use : Environmentally friendly, EMC-compliant, halogen-free Power Supply Cable especially for electrical equipment and installations in industrial environments, dry or damp interiors. Suitable for fixed installation under medium mechanical load conditions as well as for flexing application at free, non-continuously recurring movement without tensile load or compulsory guidance. Outdoor use with UV-protection only, considering the temperature range.
Particularly suitable where human and animal life as well as valuable property are exposed to high risk of fire hazards.