



K-SERVO 3 2XSLC11Y

Description : EMC-compliant, Low capacity double screened motor connection cable with coloured cores and Polyurethane outer sheath, 0.6/1kV.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5, DIN-VDE 0295 K5 and IEC 60228 Cl.5
XLPE Insulation compound
Colour code according to DIN VDE 0293
Construction 3 power cores and 3 ground cores twisted together
Aluminium Polyester Tape
Tinned copper wires braiding with coverage 85%
Outer sheath in polyurethane-compound TPU according to DIN VDE 0282, part 10, annex A

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 : 600/1000V
- Spark Test voltage : 6000 V
- Working temperature: Occasional flexing: -40°C to +90°C
Fixed installation: -60°C to +90°C
- Minimum bending radius Occasional flexing: 20 x outer Ø
Fixed installation: 6 x outer Ø

Use : Wherever drives form a single unit together with cable, frequency converter and motor, and the potential for electromagnetic interference is high because of this. Suitable for Automotive systems, Machine tool manufacturing, Production plants.

Advantage: The double screened motor connecting cable with low operating capacitance of the PE single wires and low screen capacitance enable a low-loss power transmission in comparison with conventional PVC connecting cables. The version with protective conductor split into three has a further improved, symmetrical 3-wire structure in comparison with the 4-wire versions with respect to the EMC properties because the cores of the protective conductor are arranged between the gussets. This also allows a concentric structure.