



K-FLEX 2415 S1BC4Q-F

Description : EMC-compliant, Low capacity double screened, power supply and control flexible cable with EPDM insulation and polyurethane outer sheath.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
 Insulation in EPDM elastomer compound type E16 according to DIN VDE 0282, part 1
 Aluminium polyester tape, aluminium outside.
 Tinned copper wires braiding with coverage of 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 : According with CEI 20-19/10 (CENELEC HD 22.10 S2)
 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 : 600/1000V
- Spark Test voltage : 5000 V
- Working temperature: Occasional flexing: -40°C to +90°C
 Fixed installation: -50°C to +90°C
- Minimum bending radius : For flexible use: 20 x outer Ø
 Fixed installation: 6 x outer Ø
- Tensile stress during installation: For flexible use: max 15 N/mm²
 Fixed installation: max 50 N/mm²

Use : In dry, humid or moist situations, outdoors, for medium mechanical stresses.
 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 single wires and low screen capacitance enable a low-loss power transmission in comparison with conventional PVC connecting cables.