KCINDUSTRIE
Via D. Alighieri 33
29010 Villanova sull'Arda (PC) - Italy
Tel. 0039.0523.837899
Fax 0039.0523.837381
UNI EN ISO 9001-2015 Certified Company

Data Sheet

K-FLEX 2315 S05BC4Q-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 : 300/500V • Spark Test voltage : 3000 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.

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