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 3000 ATEX

Description :	Data and control cables for installation of intrinsically safe circuits, where a special cable marking for hazard area type "i"- intrinsic safety is specified. According to DIN EN 60079-14; VDE 0165 Part 1
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 conductors with or without green yellow core Special compacted twisting with textile fillers Talc Pressure extruded 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:	Flame-retardant according to IEC 60332-1-2 According with DIN EN 60079-14 Section 12.2.2 (VDE 0165 Part 1) - Electrical characteristics and marking of wires and cables and Annex E - Breathing test The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE
Technical dates :	• Nominal voltage : 300/500 V. • Spark Test voltage : 3000 V • Working temperature : Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C • Minimum bending radius : Occasional flexing: 15 x outer Ø Fixed installation: 4 x outer Ø
Use :	The control cable K-FLEX 3000 ATEX is particularly used for installation of intrinsically safe circuits, where a special marking of hazard type \"i\" (intrinsically safe) cables is specified. It's suitable for measuring, monitoring and in the machine tool manufacturing plant engineering, heating and air conditioning systems, refrigeration plants, and installations for data processing. The cable is used at light mechanical stress. It is suitable for free, not continuously moving appliance without tensile load or compulsory guidance as well as for fixed laying.

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