



## K-FLEX 3500 (St) CY 750 V

**Description :** EMC-compliant, power supply and control Cable with numbered cores. Working voltage 450/750 V.

**Design:**



**Construction :** Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE0295 K5  
PVC Insulation compound type TI1 according to CEI 20-11 and VDE 0207  
Black numbered cores with or without green yellow core  
Aluminium polyester tape (Alu outside)  
Tinned copper screen with coverage 85%  
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 (flame spread on a single cable)  
Oil resistant according: DIN EN 50290-2-22 resp. VDE 0819-102, TM54  
The cable is conform to Low Voltage Directive (LVD) 2014/35/EC CE

<b>Technical dates :</b>	<ul style="list-style-type: none"> <li>• Nominal voltage : 450/750V</li> <li>• Spark Test voltage : 4000 V</li> <li>• Working temperature: Occasional flexing: -5°C to +70°C Fixed installation: -40°C to +80°C</li> <li>• Minimum bending radius: Occasional flexing: 20 x outer Ø Fixed installation: 6 x outer Ø</li> <li>• Mutual capacitance: A/A ca. 120 nF/km A/S ca. 160 nF/km</li> <li>• Inductance Ca. 0,65 mH/km</li> </ul>
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**Use :** The range of application for the PVC control cable with double screening includes all electrical systems in dry, damp or wet interiors, especially in industrial and/or in EMC-critical environments. The cable can be installed outdoors with UV protection only and in observance of the temperature range. It is suitable for fixed installation, but also for flexible applications under conditions of sporadic, not continuously returning movement on/in machinery, appliances, rail vehicles, ventilation and air-conditioning systems, office machines, industrial plants with low mechanical stress.