



K-FLEX 3500 CY

Description : EMC-compliant Control Cable with numbered cores Low space requirement due to small cable diameter. Working voltage 300/500 V.

Design:



Construction :

- 1) Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE 0295 K5
- 2) PVC Insulation compound type TI1 according to CEI 20-11 and VDE 0207
- 3) Black numbered conductors with or without green yellow core
- 4) Polyester tape
- 5) Tinned copper screen with coverage 85%
- 6) 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, Test method B according to IEC 60332-1
Adapted to DIN VDE 0245 and 0281
According to our VDE Reg. Nr. 8154
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

Technical dates :

- Nominal voltage : 300/500V
- 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: 20 x outer Ø
Fixed installation: 6 x outer Ø
- Mutual capacitance: A/A ca. 120 nF/km
A/S ca. 160 nF/km
- Inductance Ca. 0,65 mH/km

Use : The range of application for the PVC control cable K-FLEX 3500 CY with copper screening braid 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.