



K-SUPERFLEX O.R. 3515 CY 750

Description : EMC-compliant Control Cable with numbered cores Low space requirement due to small cable diameter for fixed installation with working voltage of 450/750 V.

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
 Polyester tape
 Tinned copper screen with coverage 70%
 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: CEI 20-11 - CEI 20-20/1 - CEI 20-20/2 IV° Ed. 1996
 CEI 20-22/1 - CEI20-22/2 - CEI 20-22/4 IV° Ed. 1996
 CEI 20-37/2 II° Ed. 1997

Oil resistant according with CEI 20-34/2-1 (CEI EN 60811-2-1)
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : 450/750V
- Spark Test voltage : 4000 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-SUPERFLEX O.R. CY 750 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's suitable when mineral oil resistance is required but it isn't suitable for continuous immersion in oil. To avoid contamination with hydrocarbons. Fitting for light mechanical stress, in case of mechanical damage risk, consider to install the cable with a protection like tubes, channels and so on.