



K-FLEX 3500 (St) C H.F

Description : EMC-compliant Halogen Free power supply and control cable with double screening protection, numbered cores, low space requirement due to small cable diameter.

Design:



Construction : Flexible bare copper conductors according to CEI 20-29 Class 5 and DIN-VDE0295 K5
 Halogen free insulation compound type **TI6** according to HD 21.14 S1 annex A
 Black numbered cores with or without green yellow core
 Aluminium polyester tape (Alu outside)
 Tinned copper screen with coverage 85%
 Halogen free jacket compound type **TM7** according to HD 21.14 S1 annex B

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)
 No flame-propagation according to IEC 60332-3-24 respectively IEC 60332-3-25 (Flame spread on vertical cable or wire bundle)
 Halogen-free according to IEC 60754-1 (amount of halogen acid gas)
 Corrosiveness of combustion gases according to IEC 60754-2 (degree of acidity)
 Low smoke density according to IEC 61034
 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: -15°C to +70°C
 Fixed installation: -40°C to +70°C
- Minimum bending radius Occasional flexing: 20 x outer Ø
 Fixed installation: 6 x outer Ø

Use : Environmentally friendly, halogen-free Control Cable especially in industrial and/or EMC-critical environments. For fixed installation as well as for flexible application at free, non-continuously recurring movement.
 Particularly where human and animal life as well as valuable property are exposed to high risk of fire hazards
 The cable is used in dry, damp and humid interiors at medium mechanical stress. Outdoors only with UV-protection and in observation of the temperature range. It is suitable for free, not continuously moving appliance without tensile load or compulsory guidance as well as for fixed laying.