



K-ITM FROHR

Description : EMC-compliant, Shielded Signal and Control Cable with colour code cores.

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 - Colour code according Tab. Unel 0722, VDE 0293 e IEC 227-1 for sizes by 0,50 mm², under 0,50 mm² according to DIN 47100
 Tinned copper drain wire
 Aluminium polyester tape shielding
 PVC outer sheath compound type 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: Self extinguish according to test method B IEC 60332-1
 Fire retardant as IEC 60332-3A - CEI 20-22 II and NBN C30-004, cat. F2
 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: -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

Use : Multi-core cable with protection from electrostatic and electromagnetic disturbs, it's suitable for control system and signalling. Drain wire make easier the connection. The range of application for the screened cable K-ITM FROHR 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.