



K-SERVO 3500 Y C CY

Description : The combined power supply and resolver/encoder feedback cable, for motor connections

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 with special mechanical resistance - Cores black with white numbers + One core G.Y
 Control pair screened with Aluminium Polyester tape and tinned copper wires braiding with coverage of 85%
 Power cores and control pairs twisted together with eventual central and external fillers
 Total Polyester tape taping
 Total tinned copper wires braiding
 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 : Flam retardant, Test method B according to DIN VDE 0472 part 804 and IEC 60332-1
 The cable is conform to Low Voltage Directive (LVD) 2014/35/EU CE

Technical dates :

- Nominal voltage : Power cores 600/1.000 V.
- Spark Test voltage : Feedback pairs 300/500 V.
- Working temperature : 6000 V
- Minimum bending radius : Occasional flexing: -5°C to +70°C
 Fixed installation: -40°C to +80°C
 Occasional flexing: 20 x outer Ø
 Fixed installation: 6 x outer Ø

Use : Servo motors are frequently assembled to combine signal and supply cables. Control pairs for motor temperature and/or brake function monitoring are for instance integrated. The advantages are: saving space and weight, easy to assemble, reliability and stability
 This 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 medium mechanical stress without tensile load or compulsory guidance.