Resolver/encoder cable, screened

Thin, lightweight, reliable functionality; Total screening reduces interferences from nearby cables

- Fits encoders from various manufacturers
- EMC-compliant

Product description

Application range

- Analogue and incremental encoders in servo drives
- Servo drives and servo assemblies
- Measurement, control and electrical applications

Benefits

- Thin, lightweight, reliable functionality
- Total screening reduces interferences from nearby cables

Product Make-up

- Fine-wire strand made of bare copper wires
- Core insulation: Based on PVC
ÖLFLEX® SERVO 720 CY

- Refer to “Technical Data” for the colour-codes
- Core and pairs are twisted together
- Tinned copper screen braiding (*with drain wire)
- PVC outer sheath, grey (RAL 7001)

Norm references / Approvals

- Core based on VDE 0812/0285
- Outer sheath based on VDE 0250/0285
- This product is designed for appropriate use in a voltage range

Product features

- Easy to install
- Fixed installation
- Occasional flexing
- In dry, damp or wet interiors
- Flame-retardant according to IEC 60332.1.2

Technical Data

Core identification code

0036 170 pairs: rd/bk, bn/gn, gy/pk, bl/vt
  single cores: wt, bn
0036 175 cores 0.14: wt, bn, gn, ye, gy, pk, bl, rd, bk, vt
  cores 0.5: wt, bn
0036 177 cores 0.14: wt, bn, gn, ye, pk, bl, rd, bk, vt
  cores 0.5: wt, bn, bl, bk
0036 178 cores 0.5: wh, bn, gn, ye
  cores 0.14 DIN 47100 from grey
0036 181 pairs 0.14: rd/bk, bn/gn, ye/vt, gy/pk
  single core 0.5: wh, bl, wtgn, bngn
0036 168 pairs: 0.14 gn/ye, rd/bl, gy/pk
  single core 0.5: wt, bn

Peak operating voltage

(not for power applications): 350 V Uss
  Nominal voltage: 48 V AC

Classification

ETIM 5.0 Class-ID: EC000104
ETIM 5.0 Class-Description: Control cable

Conductor stranding

Fine wire acc. to VDE 0295, class 5 / IEC 60228 class 5
  from 0.5 mm²

Minimum bending radius

Occasional flexing: 20 x outer diameter
  Fixed installation: 6 x outer diameter

Test voltage

C/C - C/S 2000 - 1000 V

Temperature range

Occasional flexing: -5°C to +70°C
  Fixed installation: -40°C to +80°C