



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

- 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, gy, 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 mm ²
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