

RESOLVER-FLEX

High flexible cables for requirements in drag chain applications, EMC*



Construction

- Fine stranded copper core according to DIN VDE 0295 and IEC 60228 class 6
- Core insulation PETP
- Color code see table below
- Cores and pairs stranded in layers with optimal lay-length and wrapped with soft textile tape
- Tinned copper braided screening, approx 85% coverage
- Spiral shield of tinned copper wires (only version with separately shielded cores)
- Wrapped with soft textile tape
- Special PUR outer sheath, green color RAL 6018
- Self-extinguishing and flame-retardant according to DIN VDE 0482 part 265-2-1/EN 50265-2-1/IEC 60332-1
- According to standard DESINA

Technical data

- Data screened cable suitable for drag chains
- **Temperature range** flexing from from -30 °C to +80 °C
fixed from from -50 °C to +80 °C
- **Nominal voltage** 250 V for 0,14 mm²
500 V for 0,5–1,0 mm²
- **Test voltage a.c.** 1500 V for 0,14 mm²
2000 V for 0,5–1,0 mm²
- **Insulation resistance** ≥ 20 MΩ/km at 20 °C
- **Minimum bending radius** flexing approx. 12X cable diameter
fixed approx. 6X cable diameter

Application

These cables are suitable for transmission of signals from rotaryresolver for measurement and control of speed and direction of rotation. These cables are used in NC machines automatic warehouses, conveyor-belts, moving drive systems and for robotic technology.

Note

*EMC = Electromagnetic compatibility.

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.

Conforms to RoHS.

Further cross-section and number of cores are available on request. Technical changes reserved.

Part No.	Number of cores × core cross-section [mm ²] color code	approx. outer diameter [mm]	Copper weight [kg/km]	Approx. cable weight cca [kg/km]
02700560	4×(2×0,14) + 4×0,5 + (4×0,14)CIC	9,3	81	165
	4×(2×0,14) brown/green, violet/yellow, grey/pink, red/black			
	4×0,5 brown-green, white-green, blue, white			
0278078	4×(2×0,14) + 4×0,5CIC	7,8	52	92
	4×(2×0,14) brown/green, violet/yellow, grey/pink, red/black			
	4×0,5 brown-green, white-green, blue, white			
02701560	4×(2×0,14) + 4×1 + (4×0,14)CIC	9,6	98	120
	4×(2×0,14) brown/green, violet/yellow, grey/pink, red/black			
	4×1,0 brown-green, white-green, blue, white			
	(4×0,14)C yellow-black, red-black, green-black, blue-black			