

TRONIC 2-CY 2 cores screened, meter marking

HELUKABEL TRONIC 2-CY 4x0,25 QMM / 49526 001042316



B

Technical data

- Special PVC core insulation adapted to DIN VDE 0812
- **Temperature range**
flexing -5 °C to +80 °C
fixed installation -40 °C to +80 °C
- **Conductor resistance**
0,14 mm² = max. 138 Ohm/km
0,25 mm² = max. 77,8 Ohm/km
0,50 mm² = max. 37,8 Ohm/km
- **Nominal voltage** (50 Hz)
0,14 mm² = max. 350 V
0,25 mm² = max. 500 V
0,50 mm² = max. 500 V
- **Test voltage** (50 Hz eff)
0,14 mm² = 800 V
0,25 mm² = 800 V
0,50 mm² = 1200 V
- **Breakdown voltage**
0,14 mm² = 1600 V
0,25 mm² = 1600 V
0,50 mm² = 2400 V
- **Insulation resistance**
min. 200 MOhm x km
- **Mutual capacitance** (approx. -value)
core/core
0,14 mm² = 70 pF/m
0,25 mm² = 80 pF/m
0,50 mm² = 80 pF/m
core/screen
0,14 mm² = 270 pF/m
0,25 mm² = 350 pF/m
0,50 mm² = 400 pF/m
- **Minimum bending radius**
flexing 10x cable ø
fixed installation 5x cable ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (bis 80 Mrad)

Cable structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 (for 0,5 mm²) 0,14 and 0,25 mm² to DIN VDE 0812
- Strand make-up
0,14 mm² 18x0,10 mm
0,25 mm² 14x0,15 mm
0,50 mm² 16x0,20 mm
- Special PVC core insulation Y12, to DIN VDE 0207 part 4
- White and brown cores each individually screened
- Colour coded to DIN 47100
- Cores stranded in layers with optimal lay-length
- Copper screened braiding, approx. 85% coverage
- Special PVC outer sheath YM2, to DIN VDE 0207 part 5
- Colour grey (RAL 7001)
- with meter marking, change-over in 2011

Properties

- Extensively oil resistant, oil-/ chemical Resistance - see table Technical Informations
- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

TRONIC 2-CY is used in all areas of measuring and control technology requiring only 2 impulse transfer cores. This cable type is used mainly in the machinery and industrial equipment fields as well as in the steel industry and in electronics.

CE The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
49521	4 x 0,14	6,2	14,6	40,0	26
49522	8 x 0,14	7,2	20,3	50,0	26
49523	12 x 0,14	8,4	26,8	70,0	26
49524	16 x 0,14	8,6	32,0	80,0	26
49525	24 x 0,14	9,0	43,4	110,0	26
49526	4 x 0,25	6,5	21,3	60,0	24
49527	8 x 0,25	8,0	31,0	90,0	24
49528	12 x 0,25	9,2	40,5	120,0	24
49529	16 x 0,25	9,6	50,1	140,0	24
49530	24 x 0,25	12,0	69,3	200,0	24

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
49531	4 x 0,5	7,6	34,0	100,0	20
49532	8 x 0,5	11,6	53,2	150,0	20
49533	12 x 0,5	11,9	72,4	190,0	20
49534	16 x 0,5	12,5	91,6	240,0	20
49535	24 x 0,5	15,3	130,0	310,0	20

Dimensions and specifications may be changed without prior notice. (RB01)