

TRONIC 2-CY 2 cores screened, meter marking



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



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
- **Operating peak voltage**
(not for heavy current installation purposes)
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 (up to 80 Mrad)

Cable structure

- Bare copper-conductor, from 0,5 mm² to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
0,14 and 0,25 mm² to DIN VDE 0812
- Conductor construction:
0,14 mm² = 18x0,1 mm
0,25 mm² = 14x0,15 mm
0,50 mm² = 16x0,2 mm
- Core insulation of special PVC compound type T12 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN 47100
- White and brown cores each individually screened
- Copper braided screen, approx. 85% coverage
- Cores stranded in layers with optimal lay-length
- Contact protection, PVC sheath
- Outer sheath of special PVC compound type TM2 to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1
- Sheath colour grey (RAL 7001)
- with meter marking

Properties

- Extensively oil resistant, oil-/ chemical Resistance - see table Technical Informations
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Tests

- PVC self-extinguishing and flame retardant acc. to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)

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/EC.

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)