



HELUKABEL® LifYCY 4x2x0,2 QMM / 15989 350 V CE

TECHNICAL DATA

PVC data cable in alignment with DIN VDE 0812

Temperature range	flexible -5°C to +70°C fixed -40°C to +70°C
Peak operating voltage	350 V (not for high power current installation purposes)
Test voltage core/core	1200 V
Breakdown voltage	2400 V
Coupling resistance	at 30 MHz, approx. 250 Ohm/km
Minimum bending radius	flexible 10x Outer-Ø fixed 5x Outer-Ø

■ CABLE STRUCTURE

- Copper wire bare, super finely stranded, wire diameter: 0.05 mm
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T12)
- Core identification acc. to DIN 47100 (paired stranding), colour coded
- x = without protective conductor
- Cores stranded in pairs with optimal lay lengths, Pairs stranded in layers with optimal lay lengths
- Foil wrapping
- Screen: braided screen of tinned copper wires, approx. coverage 85%
- Outer sheath: PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM2)
- Sheath colour: grey (RAL 7032)
- Length marking: in metres

■ PROPERTIES

- largely resistant to: oil, for details, see "Technical Information"
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

■ TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2

■ APPLICATION

This cable is used as a connection cable for signal, measurement and control technology, e.g. for call and intercom systems, electronic weighing equipment, office machines, computing and telecommunication systems etc. It enables extremely flexible handling and laying. The paired stranding reduces electrical couplings within the cables and crosstalk effects can be effectively suppressed. The tinned copper braided screen serves as protection against external high-frequency influences (capacitive coupling). The cable can be used for fixed installation and flexible applications involving medium mechanical stress with free movement, without tensile stress and without forced motion control in dry, damp and wet rooms. EMC= Electromagnetic Compatibility; in order to optimise EMC properties, we recommend a double-sided and all-round large contact area of the copper braiding.

■ NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
15987	2 x 2 x 0.2	25	5.7	24.0	60.0
15988	3 x 2 x 0.2	25	6.1	35.0	70.0
15989	4 x 2 x 0.2	25	6.6	45.0	80.0
15990	5 x 2 x 0.2	25	7.9	54.0	90.0
15991	6 x 2 x 0.2	25	8.3	56.0	100.0
15992	7 x 2 x 0.2	25	8.3	68.0	120.0
15993	8 x 2 x 0.2	25	9.4	72.0	130.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
15994	10 x 2 x 0.2	25	10.2	108.0	150.0
15995	12 x 2 x 0.2	25	10.9	125.0	180.0
15996	16 x 2 x 0.2	25	12.3	144.0	210.0
15997	18 x 2 x 0.2	25	13.1	155.0	230.0
15998	20 x 2 x 0.2	25	13.2	216.0	250.0
15999	24 x 2 x 0.2	25	15.0	228.0	330.0
16000	32 x 2 x 0.2	25	16.6	269.0	400.0