

OZ-BL-CY

Outer sheath blue, flexible, meter marking, EMC-preferred type



HELUKABEL ◀ VDE-REG 7034 ▶ OZ-BL-CY 5x0,75 QMM / 14031 300/500 V CE

Technical data

- PVC cable adapted to
DIN VDE 0285-525-2-51 /
DIN EN 50525-2-51
- **Temperature range**
flexing -10°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage**
U₀/U 300/500 V
- **Test voltage**
3000 V
- **Breakdown voltage**
min. 6000 V
- **Mutual capacitance** at 800 Hz
core/core approx. 140 pF/m
core/screen approx. 187 pF/m
- **Inductance**
approx. 0,68 mH/km
- **Coupling resistance**
max. 250 Ohm/km
- **Minimum bending radius**
flexing 10x cable Ø
fixed installation 5x cable Ø

Cable structure

- Bare copper conductor,
fine wire acc. to
DIN VDE 0295 cl.5 / IEC 60228 cl.5
- Core insulation of special PVC
compound type Z 7225
- Core identification to DIN VDE 0293
black cores with continuous white
numbering
- Without GN-YE conductor
- Cores stranded in layers with
optimal lay length
- Foil wrapping
- Tinned copper braided screen,
approx. 85 % coverage
- Outer sheath of special PVC
compound type TM2 to
DIN VDE 0207-363-4-1/DIN EN 50363-4-1
- Sheath colour: blue (RAL 5015)
- With meter marking

Properties

- Extensively oil resistant,
oil-/chemical resistance
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

Note

- For installation in explosive areas
including intrinsic safety -i- acc. to
DIN EN 60079-14 / IEC 60079-14,
section 16.2.2 (VDE 0165-1)
- Instrumentation cable RE-2Y(St)Yv with blue
outer sheath see Data and Computer cables.
- AWG sizes are approximate equivalent
values. The actual cross section is in mm².

Application

These cables are appropriate for flexible use with medium mechanical stresses, and free movement without tensile stress or forced movements. For hazardous areas the cables with special marking (blue) (hazard type-i-) used as flexible control and measuring cables to meet the requirements for the installation of electrical apparatus. These installations are not earthed and require a separate power circuit. Those cables are not suitable for underground laying. The copper braided screening ensures the transmission of data signals and free from interference.

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
14028	2 x 0,75	6,2	40,0	59,0	19
14029	3 x 0,75	6,6	52,0	66,0	19
14030	4 x 0,75	7,1	60,0	77,0	19
14031	5 x 0,75	7,8	71,0	93,0	19
14088	7 x 0,75	8,4	91,0	130,0	19
14032	8 x 0,75	9,5	110,0	145,0	19
14033	10 x 0,75	10,7	137,0	180,0	19
14034	12 x 0,75	11,1	142,0	202,0	19
14035	18 x 0,75	12,9	212,0	292,0	19
14036	20 x 0,75	13,9	238,0	362,0	19
14037	25 x 0,75	15,4	281,0	415,0	19
14038	30 x 0,75	16,4	320,0	486,0	19
14039	34 x 0,75	17,8	345,0	523,0	19
14040	41 x 0,75	19,3	400,0	680,0	19
14041	2 x 1	6,5	50,0	65,0	18
14042	3 x 1	6,9	60,0	81,0	18
14043	4 x 1	7,6	71,0	98,0	18
14044	5 x 1	8,2	88,0	127,0	18
14045	7 x 1	9,0	111,0	158,0	18
14046	12 x 1	11,9	184,0	260,0	18

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
14047	18 x 1	14,0	260,0	380,0	18
14048	25 x 1	16,5	349,0	534,0	18
14049	34 x 1	19,0	486,0	741,0	18
14050	2 x 1,5	7,1	63,0	88,0	16
14051	3 x 1,5	7,7	80,0	100,0	16
14052	4 x 1,5	8,3	97,0	126,0	16
14053	5 x 1,5	9,2	119,0	160,0	16
14054	7 x 1,5	9,9	147,0	208,0	16
14055	12 x 1,5	13,5	267,0	338,0	16
14056	18 x 1,5	15,7	374,0	479,0	16
14057	25 x 1,5	18,5	526,0	705,0	16
14058	30 x 1,5	19,7	555,0	830,0	16
14059	34 x 1,5	21,3	629,0	900,0	16
14060	3 x 2,5	9,2	144,0	167,0	14
14061	4 x 2,5	10,0	148,0	195,0	14
14062	5 x 2,5	11,0	181,0	223,0	14
14063	7 x 2,5	12,1	255,0	344,0	14
14064	12 x 2,5	16,4	441,0	570,0	14
14065	18 x 2,5	19,3	570,0	681,0	14

Dimensions and specifications may be changed without prior notice. (RA04)