

OZ-BL

Outer sheath blue, flexible, meter marking



HELUKABEL ◀ VDE-REG 7032 ▶ OZ-BL 5x0,75 QMM / 14004 300/500 V CE

Technical data

- PVC cable adapted to
DIN VDE 0285-525-2-51 /
DIN EN 50525-2-51
- **Temperature range**
flexing -15°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. 120 pF/m
- **Inductance**
approx. 0,68 mH/km
- **Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x 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
- 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.

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.
14001	2 x 0,75	5,3	14,4	46,0	19
14002	3 x 0,75	5,6	21,6	54,0	19
14003	4 x 0,75	6,3	29,0	66,0	19
14004	5 x 0,75	6,9	36,0	80,0	19
14075	7 x 0,75	7,7	52,0	110,0	19
14005	8 x 0,75	8,5	58,0	130,0	19
14076	12 x 0,75	10,1	88,0	179,0	19
14006	18 x 0,75	12,2	130,0	257,0	19
14007	25 x 0,75	14,3	180,0	365,0	19
14008	30 x 0,75	15,3	215,0	448,0	19
14009	34 x 0,75	16,7	245,0	510,0	19
14010	41 x 0,75	18,2	298,0	607,0	19
14011	2 x 1	5,6	19,0	60,0	18
14012	3 x 1	6,1	29,0	72,0	18
14013	4 x 1	6,7	38,0	86,0	18
14014	5 x 1	7,5	48,0	104,0	18

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
14015	7 x 1	8,1	67,0	141,0	18
14016	12 x 1	10,9	115,0	230,0	18
14017	18 x 1	12,9	173,0	343,0	18
14018	25 x 1	15,4	240,0	485,0	18
14019	2 x 1,5	6,4	29,0	70,0	16
14020	3 x 1,5	6,8	43,0	90,0	16
14021	4 x 1,5	7,6	58,0	109,0	16
14022	5 x 1,5	8,3	72,0	131,0	16
14023	7 x 1,5	9,2	101,0	184,0	16
14024	12 x 1,5	12,4	173,0	309,0	16
14025	18 x 1,5	14,8	259,0	440,0	16
14026	25 x 1,5	17,6	360,0	620,0	16
14027	30 x 1,5	18,6	440,0	842,0	16
14100	3 x 2,5	8,3	72,0	148,0	14
14101	4 x 2,5	9,3	96,0	178,0	14
14102	5 x 2,5	10,1	120,0	221,0	14

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