

# JZ-500 COLD / OZ-500 COLD

flexible in cold temperatures



HELUKABEL® JZ-500 COLD 25G1 QMM / 10773 300/500 V C€

## TECHNICAL DATA

PVC control and connection cable in alignment with DIN VDE 0285-525-2-51 / DIN EN 50525-2-51

Temperature range	flexible -30°C to +80°C fixed -40°C to +80°C
Nominal voltage	AC U <sub>0</sub> /U 300/500 V
Test voltage core/core	4000 V
Breakdown voltage	8000 V
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x Outer-Ø

## ■ CABLE STRUCTURE

- Copper wire bare, finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Core insulation: Special-PVC, compound type T14
- Core identification acc. to DIN VDE 0293-334, black cores with consecutive labeling in white digits
- Protective conductor: starting with 3 cores,  
G = with protective conductor GN-YE, in the outer layer,  
x = without protective conductor (OZ)
- Cores stranded in layers with optimal lay lengths
- Outer sheath: special PVC flexible in low temperatures compound type TM4
- Sheath colour: black (RAL 9005)
- Length marking: in metres

## ■ PROPERTIES

- largely resistant to: oil,  
for details, see "Technical Information"
- for outdoor use
- 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
- certifications and approvals:  
EAC

## ■ APPLICATION

This PVC control cable is flexible in cold temperatures and is used for flexible applications involving medium mechanical stress with free movement, without tensile stress and without forced motion control in dry, damp and wet rooms, as well as outdoors. Used as a connection and control cable in machine tools, assembly lines and conveyor belts, production lines, in plant construction, air-conditioning technology, cold storage and freezing facilities. Select PVC compounds guarantee good flexibility, efficient and quick installation.

## ■ NOTES

- the conductor is metrically (mm<sup>2</sup>) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
10750	2 x 0.5	20	4.8	9.6	40.0
10798	2 x 0.75	19	5.3	14.4	46.0
10751	3 G 0.75	19	5.6	21.6	54.0
10752	3 x 0.75	19	5.6	21.6	54.0
10753	4 G 0.75	19	6.3	28.8	66.0
10754	4 x 0.75	19	6.3	28.8	66.0
10755	5 G 0.75	19	6.9	36.0	80.0
10756	5 x 0.75	19	6.9	36.0	80.0
10757	7 G 0.75	19	7.5	50.0	110.0
10758	7 x 0.75	19	7.5	50.0	110.0
10759	12 G 0.75	19	9.8	86.0	179.0
10760	18 G 0.75	19	12.2	130.0	257.0
10761	25 G 0.75	19	14.3	180.0	365.0
10762	2 x 1	18	5.6	19.2	60.0
10763	3 G 1	18	5.9	29.0	72.0
10764	3 x 1	18	5.9	29.0	72.0
10765	4 G 1	18	6.6	38.4	86.0
10766	4 x 1	18	6.6	38.4	86.0
10767	5 G 1	18	7.3	48.0	104.0
10768	5 x 1	18	7.3	48.0	104.0
10769	7 G 1	18	8.1	67.0	141.0
10770	7 x 1	18	8.1	67.0	141.0
10771	12 G 1	18	10.4	115.0	230.0

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
10772	18 G 1	18	12.9	173.0	343.0
10773	25 G 1	18	15.4	240.0	485.0
10774	2 x 1.5	16	6.4	29.0	70.0
10775	3 G 1.5	16	6.8	43.0	90.0
10776	3 x 1.5	16	6.8	43.0	90.0
10777	4 G 1.5	16	7.4	58.0	109.0
10778	4 x 1.5	16	7.4	58.0	109.0
10779	5 G 1.5	16	8.3	72.0	131.0
10780	5 x 1.5	16	8.3	72.0	131.0
10781	6 G 1.5	16	9.2	86.0	157.0
10782	7 G 1.5	16	9.2	101.0	184.0
10783	7 x 1.5	16	9.2	101.0	184.0
10784	12 G 1.5	16	11.8	173.0	309.0
10785	18 G 1.5	16	14.6	259.0	440.0
10786	25 G 1.5	16	17.4	360.0	620.0
10787	2 x 2.5	14	7.8	48.0	112.0
10788	3 G 2.5	14	8.3	72.0	148.0
10789	3 x 2.5	14	8.3	72.0	148.0
10790	4 G 2.5	14	9.2	96.0	178.0
10791	4 x 2.5	14	9.2	96.0	178.0
10792	5 G 2.5	14	10.1	120.0	221.0
10793	5 x 2.5	14	10.1	120.0	221.0
10794	7 G 2.5	14	11.2	168.0	306.0

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Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
10795	7 x 2.5	14	11.2	168.0	306.0
10796	4 G 6	10	13.0	230.0	424.0

Part no.	No. cores x cross-sec. mm <sup>2</sup>	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
10797	5 G 6	10	14.5	288.0	525.0