JZ-500-PUR / OZ-500-PUR



TECHNICAL DATA

PUR control and connection cable in alignment with DIN VDE 0285-525-1 / DIN EN 50525-1

Temperature range	flexible -15°C to +80°C fixed -40°C to +80°C
Nominal voltage	AC U_0/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: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type TI2)
- 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 grade of full polyurethane acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2 (compound type TMPU)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- resistant to: oil, UV radiation, ozone, oxygen, weathering effects, hydrolysis, microbes, coolants, hydraulic fluids, acids, alkalis, greases, seawater and wastewater
- highly abrasion-resistant, notch-resistant, tear-resistant, cut-resistant, wear-resistant, low adhesion
- 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

- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- UV-resistant acc. to DIN EN ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2
- certifications and approvals: EAC

APPLICATION

Connection and control cable, which is distinguished by its high abrasion resistance and notch-tensile strength properties. Due to its resistance to coolant emulsions, it is suited for use in particularly critical locations in machine, tool and plant construction, rolling mills and steelworks. Suitable 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.

NOTES

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

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
23314	2 x 0.5	20	4.8	9.6	45.0
23315	3 G 0.5	20	5.1	14.4	55.0
23316	3 x 0.5	20	5.1	14.4	55.0
23317	4 G 0.5	20	5.5	19.0	65.0
23318	4 x 0.5	20	5.5	19.0	65.0
23319	5 G 0.5	20	6.2	24.0	75.0
23320	5 x 0.5	20	6.2	24.0	75.0
23321	7 G 0.5	20	6.7	33.6	90.0
23322	7 x 0.5	20	6.7	33.6	90.0
23323	10 G 0.5	20	8.6	48.0	120.0
23324	12 G 0.5	20	8.9	58.0	135.0
23325	18 G 0.5	20	10.7	86.0	205.0
23326	25 G 0.5	20	12.4	120.0	270.0
23327	34 G 0.5	20	14.3	163.0	380.0
23328	42 G 0.5	20	15.8	202.0	415.0
23329	2 x 0.75	19	5.3	14.4	44.0
23330	3 G 0.75	19	5.6	21.6	53.0
23331	3 x 0.75	19	5.6	21.6	53.0
23332	4 G 0.75	19	6.3	29.0	64.0
23333	4 x 0.75	19	6.3	29.0	64.0
23334	5 G 0.75	19	6.9	36.0	76.0
23335	5 x 0.75	19	6.9	36.0	76.0
23336	7 G 0.75	19	7.5	50.0	96.0
23337	7 x 0.75	19	7.5	50.0	96.0
23338	10 G 0.75	19	9.6	72.0	140.0
23339	12 G 0.75	19	9.9	86.0	170.0
23340	18 G 0.75	19	12.2	130.0	260.0
23341	25 G 0.75	19	14.1	180.0	282.0
23342	34 G 0.75	19	16.5	245.0	475.0
23343	42 G 0.75	19	18.1	302.0	600.0
23344	2 x 1	18	5.6	19.0	53.0
23345	3 G 1	18	5.9	29.0	63.0
23346	3 x 1	18	5.9	29.0	63.0
23347	4 G 1	18	6.7	38.0	75.0
23348	4 x 1	18	6.7	38.0	75.0
23349	5 G 1	18	7.3	48.0	89.0

Continued on next page

16.12.2024 / We reserve the right to make technical changes; the imprint in the image is purely exemplary

JZ-500-PUR / OZ-500-PUR

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
23350	5 x 1	18	7.3	48.0	89.0
23351	7 G 1	18	8.1	67.0	115.0
23352	7 x 1	18	8.1	67.0	115.0
23353	10 G 1	18	10.2	96.0	166.0
23354	12 G 1	18	10.6	115.0	201.0
23355	18 G 1	18	12.9	173.0	289.0
23356	25 G 1	18	15.1	240.0	380.0
23357	34 G 1	18	17.7	326.0	645.0
23358	42 G 1	18	19.5	403.0	730.0
23359	50 G 1	18	21.3	480.0	890.0
23360	2 x 1.5	16	6.4	29.0	68.0
23361	3 G 1.5	16	6.8	43.0	87.0
23362	3 x 1.5	16	6.8	43.0	87.0
23363	4 G 1.5	16	7.4	58.0	106.0
23364	4 x 1.5	16	7.4	58.0	106.0
23365	5 G 1.5	16	8.3	72.0	131.0
23366	5 x 1.5	16	8.3	72.0	131.0
23367	7 G 1.5	16	9.2	101.0	173.0
23368	7 x 1.5	16	9.2	101.0	173.0
23369	12 G 1.5	16	12.0	173.0	293.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
23370	18 G 1.5	16	14.2	259.0	454.0
23371	25 G 1.5	16	17.0	360.0	641.0
23372	30 G 1.5	16	18.6	410.0	800.0
23373	2 x 2.5	14	7.8	48.0	110.0
23374	3 G 2.5	14	8.3	72.0	146.0
23375	4 G 2.5	14	9.2	96.0	183.0
23376	5 G 2.5	14	10.1	120.0	222.0
23377	7 G 2.5	14	11.2	168.0	293.0
23378	12 G 2.5	14	15.0	288.0	512.0
23379	4 G 4	12	10.9	154.0	291.0
23380	5 G 4	12	12.1	192.0	355.0
23381	7 G 4	12	13.2	269.0	503.0
23382	4 G 6	10	13.0	230.0	468.0
23383	5 G 6	10	14.5	288.0	570.0
23384	7 G 6	10	16.2	403.0	808.0
23385	4 G 10	8	16.5	384.0	720.0
23386	5 G 10	8	18.3	480.0	894.0
23387	7 G 10	8	20.2	672.0	1295.0
23388	4 G 16	6	20.2	614.0	1063.0

16. 12. 2024 / We reserve the right to make technical changes; the imprint in the image is purely exemplary