

JZ-500 PUR tear and coolant resistant



HELUKABEL JZ-500 PUR 4G4 QMM / 23379 300/500 V 001043025 CE



Technical data

- Special PUR cables adapted to DIN VDE 0245, 0281
- **Temperature range**
flexing -5°C to +80°C
fixed installation -40°C to +80°C
- **Nominal voltage** U₀/U 300/500 V
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**
min. 20 MOhm x km
- **Minimum bending radius**
flexing 7,5x cable Ø
fixed installation 4x cable Ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable construction

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation T12, according to DIN VDE 0281 part 1
- Black cores with continuous white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Special **full-polyurethane** outer jacket TMPU, to DIN VDE 0282 part 10, appendix A
- Sheath colour grey (RAL 7001)
- Jacket also available in other colours

Properties

- **Resistant to**
UV-Radiation, Oxygene, Ozone and hydrolysis Microbes
- self-extinguishing and flame retardant according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- G = with green-yellow earth core;
x = without green-yellow earth core (OZ).

Application

JZ-500 PUR is an extremely robust control cable with high abrasion and tear resistant properties. Due to its high resistance coolant emulsions, it is especially suited for use in the machine, tool making and plant industries as well as in the steel industry for difficult and problem areas. The high flexibility of this cable type makes it quick and easy to install. Suitable for outdoor lying.

CE= The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No.cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No.cores x cross-sec. mm²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
23314	2 x 0,5	4,8	9,6	45,0	20	23354	12 G 1	10,7	115,0	201,0	17
23315	3 G 0,5	5,1	14,4	55,0	20	23355	18 G 1	12,9	173,0	289,0	17
23316	3 x 0,5	5,1	14,4	55,0	20	23356	25 G 1	14,9	240,0	380,0	17
23317	4 G 0,5	5,7	19,0	65,0	20	23357	34 G 1	17,4	326,0	645,0	17
23318	4 x 0,5	5,7	19,0	65,0	20	23358	42 G 1	18,8	403,0	730,0	17
23319	5 G 0,5	6,2	24,0	75,0	20	23359	50 G 1	20,9	480,0	890,0	17
23320	5 x 0,5	6,2	24,0	75,0	20						
23322	7 G 0,5	7,2	33,6	90,0	20	23360	2 x 1,5	6,2	29,0	68,0	16
23321	7 G 0,5	7,2	33,6	90,0	20	23361	3 G 1,5	6,6	43,0	87,0	16
23323	10 G 0,5	8,8	48,0	120,0	20	23362	3 x 1,5	6,6	43,0	87,0	16
23324	12 G 0,5	9,1	58,0	135,0	20	23363	4 G 1,5	7,2	58,0	106,0	16
23325	18 G 0,5	10,7	86,0	205,0	20	23364	4 x 1,5	7,2	58,0	106,0	16
23326	25 G 0,5	13,2	120,0	270,0	20	23365	5 G 1,5	8,2	72,0	131,0	16
23327	34 G 0,5	14,7	163,0	380,0	20	23366	5 x 1,5	8,2	72,0	131,0	16
23328	42 G 0,5	15,8	202,0	415,0	20	23367	7 G 1,5	9,8	101,0	173,0	16
						23368	7 x 1,5	9,8	101,0	173,0	16
23329	2 x 0,75	5,4	14,4	44,0	18	23369	12 G 1,5	12,0	173,0	293,0	16
23330	3 G 0,75	5,7	21,6	53,0	18	23370	18 G 1,5	14,5	259,0	454,0	16
23331	3 x 0,75	5,7	21,6	53,0	18	23371	25 G 1,5	17,8	360,0	641,0	16
23332	4 G 0,75	6,2	29,0	64,0	18	23372	30 G 1,5	18,0	410,0	800,0	16
23333	4 x 0,75	6,2	29,0	64,0	18						
23334	5 G 0,75	6,8	36,0	76,0	18	23373	2 x 2,5	7,8	48,0	110,0	14
23335	5 x 0,75	6,8	36,0	76,0	18	23374	3 G 2,5	8,3	72,0	146,0	14
23336	7 G 0,75	8,1	50,0	96,0	18	23375	4 G 2,5	9,2	96,0	185,0	14
23337	7 x 0,75	8,1	50,0	96,0	18	23376	5 G 2,5	10,1	120,0	222,0	14
23338	10 G 0,75	9,6	72,0	140,0	18	23377	7 G 2,5	12,3	168,0	293,0	14
23339	12 G 0,75	9,6	86,0	170,0	18	23378	12 G 2,5	15,3	288,0	512,0	14
23340	18 G 0,75	11,9	130,0	260,0	18						
23341	25 G 0,75	14,5	180,0	282,0	18	23379	4 G 4	11,0	154,0	291,0	12
23342	34 G 0,75	16,3	245,0	475,0	18	23380	5 G 4	12,7	192,0	355,0	12
23343	42 G 0,75	17,7	302,0	600,0	18	23381	7 G 4	14,0	269,0	503,0	12
23344	2 x 1	5,7	19,0	53,0	17	23382	4 G 6	13,4	230,0	468,0	10
23345	3 G 1	6,0	29,0	63,0	17	23383	5 G 6	14,9	288,0	570,0	10
23346	3 x 1	6,0	29,0	63,0	17	23384	7 G 6	16,5	403,0	808,0	10
23347	4 G 1	6,6	38,0	75,0	17						
23348	4 x 1	6,6	38,0	75,0	17	23385	4 G 10	16,9	384,0	720,0	8
23349	5 G 1	7,1	48,0	89,0	17	23386	5 G 10	18,7	480,0	894,0	8
23350	5 x 1	7,1	48,0	89,0	17	23387	7 G 10	20,9	672,0	1295,0	8
23351	7 G 1	8,6	67,0	115,0	17						
23352	7 x 1	8,6	67,0	115,0	17	23388	4 G 16	19,8	614,0	1063,0	6
23353	10 G 1	10,2	96,0	166,0	17						

Dimensions and specifications may be changed without prior notice.