JZ-500 PUR

tear and coolant resistant, meter marking

RoHS

Technical data

- Special-PUR control cable adapted to DIN VDE 0285-525-1 / DIN EN 50525-1
- **Temperature range** flexing -15°C to +80°C fixed installation -40°C to +80°C
- **Nominal voltage** U_0/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 structure

- Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of special PVC compound type TI2 to DIN VDE 0207-363-3/ DIN EN 50363-3
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay-length
- Outer sheath of special **full-polyurethane** compound type TMPU to DIN EN 50363-10-2
- Sheath colour grey (RAL 7001) also available in other colours
- with meter marking

Properties

- **Resistant to** UV-Radiation, Oxygene, Ozone and Hydrolysis, Microbes
- Low adhesion, matt surface
- 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 conductor x = without green-yellow conductor (OZ)
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- screened analogue type: **JZ-500-FC-PUR**

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 2006/95/EC.

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
23314	2 x 0,5	4,8	9,6	45,0	20
23315	3 G 0,5	5,1	14,4	55,0	20
23316	3 x 0,5	5,1	14,4	55,0	20
23317	4 G 0,5	5,5	19,0	65,0	20
23318	4 x 0,5	5,5	19,0	65,0	20
23319	5 G 0,5	6,2	24,0	75,0	20
23320	5 x 0,5	6,2	24,0	75,0	20
23321	7 G 0,5	6,7	33,6	90,0	20
23322	7 x 0,5	6,7	33,6	90,0	20
23323	10 G 0,5	8,6	48,0	120,0	20
23324	12 G 0,5	8,9	58,0	135,0	20
23325	18 G 0,5	10,7	86,0	205,0	20
23326	25 G 0,5	12,4	120,0	270,0	20
23327	34 G 0,5	14,3	163,0	380,0	20
23328	42 G 0,5	15,8	202,0	415,0	20
23329	2 x 0,75	5,3	14,4	44,0	19
23330	3 G 0,75	5,6	21,6	53,0	19
23331	3 x 0,75	5,6	21,6	53,0	19
23332	4 G 0,75	6,3	29,0	64,0	19
23333	4 x 0,75	6,3	29,0	64,0	19
23334	5 G 0,75	6,9	36,0	76,0	19
23335	5 x 0,75	6,9	36,0	76,0	19
23336	7 G 0,75	7,5	50,0	96,0	19
23337	7 x 0,75	7,5	50,0	96,0	19
23338	10 G 0,75	9,6	72,0	140,0	19
23339	12 G 0,75	9,9	86,0	170,0	19
23340	18 G 0,75	12,2	130,0	260,0	19
23341	25 G 0,75	14,1	180,0	282,0	19
23342	34 G 0,75	16,5	245,0	475,0	19
23343	42 G 0,75	18,1	302,0	600,0	19
23344	2 x 1	5,6	19,0	53,0	18
23345	3 G 1	5,9	29,0	63,0	18
23346	3 x 1	5,9	29,0	63,0	18
23347	4 G 1	6,7	38,0	75,0	18
23348	4 x 1	6,7	38,0	75,0	18
23349	5 G 1	7,3	48,0	89,0	18
23350	5 x 1	7,3	48,0	89,0	18
23351	7 G 1	8,1	67,0	115,0	18

Part no.	No.cores x cross-sec. mm²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
23352	7 x 1	8,1	67,0	115,0	18
23353	10 G 1	10,2	96,0	166,0	18
23354	12 G 1	10,6	115,0	201,0	18
23355	18 G 1	12,9	173,0	289,0	18
23356	25 G 1	15,1	240,0	380,0	18
23357	34 G 1	17,7	326,0	645,0	18
23358	42 G 1	19,5	403,0	730,0	18
23359	50 G 1	21,3	480,0	890,0	18
23360	2 x 1,5	6,4	29,0	68,0	16
23361	3 G 1,5	6,8	43,0	87,0	16
23362	3 x 1,5	6,8	43,0	87,0	16
23363	4 G 1,5	7,4	58,0	106,0	16
23364	4 x 1,5	7,4	58,0	106,0	16
23365	5 G 1,5	8,3	72,0	131,0	16
23366	5 x 1,5	8,3	72,0	131,0	16
23367	7 G 1,5	9,2	101,0	173,0	16
23368	7 x 1,5	9,2	101,0	173,0	16
23369	12 G 1,5	12,0	173,0	293,0	16
23370	18 G 1,5	14,2	259,0	454,0	16
23371	25 G 1,5	17,0	360,0	641,0	16
23372	30 G 1,5	18,6	410,0	800,0	16
23373	2 x 2,5	7,8	48,0	110,0	14
23374	3 G 2,5	8,3	72,0	146,0	14
23375	4 G 2,5	9,2	96,0	183,0	14
23376	5 G 2,5	10,1	120,0	222,0	14
23377	7 G 2,5	11,2	168,0	293,0	14
23378	12 G 2,5	15,0	288,0	512,0	14
23379	4 G 4	10,9	154,0	291,0	12
23380	5 G 4	12,1	192,0	355,0	12
23381	7 G 4	13,2	269,0	503,0	12
23382	4 G 6	13,0	230,0	468,0	10
23383	5 G 6	14,5	288,0	570,0	10
23384	7 G 6	16,2	403,0	808,0	10
23385	4 G 10	16,5	384,0	720,0	8
23386	5 G 10	18,3	480,0	894,0	8
23387	7 G 10	20,2	672,0	1295,0	8
23388	4 G 16	20,2	614,0	1063,0	6

Dimensions and specifications may be changed without prior notice. (RA02)