PURö-JZ / PURö-OZ

enhanced oil resistance



TECHNICAL DATA

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

Temperature range	flexible -20°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: oil-resistant PVC in alignment with DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type TI2), with improved gliding behaviour
- 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 with a high-grade oil-resistant PVC core insulation. Due to its resistance to mineral oils, notably against 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.
22100	2 x 0.5	20	4.8	9.6	45.0
22101	3 G 0.5	20	5.1	14.4	55.0
22102	4 G 0.5	20	5.5	19.0	65.0
22103	5 G 0.5	20	6.2	24.0	75.0
22104	7 G 0.5	20	6.7	33.6	90.0
22105	8 G 0.5	20	7.4	38.0	105.0
22106	10 G 0.5	20	8.3	48.0	120.0
22107	12 G 0.5	20	8.7	58.0	135.0
22108	14 G 0.5	20	9.5	67.0	170.0
22109	18 G 0.5	20	10.7	86.0	205.0
22110	21 G 0.5	20	11.3	96.0	225.0
22111	25 G 0.5	20	12.6	120.0	270.0
22112	30 G 0.5	20	13.5	144.0	315.0
22113	34 G 0.5	20	14.3	163.0	380.0
22114	42 G 0.5	20	15.8	202.0	415.0
22115	50 G 0.5	20	17.5	240.0	550.0
22116	2 x 0.75	19	5.3	14.4	44.0
22117	3 G 0.75	19	5.6	21.6	53.0
22118	4 G 0.75	19	6.3	29.0	64.0
22119	5 G 0.75	19	6.9	36.0	76.0
22120	7 G 0.75	19	7.5	50.0	96.0
22121	8 G 0.75	19	8.3	58.0	111.0
22122	10 G 0.75	19	9.2	72.0	140.0
22123	12 G 0.75	19	9.8	86.0	170.0
22124	14 G 0.75	19	10.6	101.0	202.0
22125	18 G 0.75	19	12.2	130.0	260.0
22126	21 G 0.75	19	12.7	151.0	269.0
22127	25 G 0.75	19	14.3	180.0	282.0
22128	30 G 0.75	19	15.3	216.0	400.0
22129	34 G 0.75	19	16.5	245.0	475.0
22130	42 G 0.75	19	18.1	302.0	600.0
22131	50 G 0.75	19	19.8	360.0	720.0
22132	2 x 1	18	5.6	19.0	53.0
22133	3 G 1	18	5.9	29.0	63.0
22134	4 G 1	18	6.6	38.0	75.0
22135	5 G 1	18	7.3	48.0	89.0
22136	7 G 1	18	8.1	67.0	115.0
22137	8 G 1	18	8.8	77.0	131.0

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
22138	10 G 1	18	9.8	96.0	166.0
22139	12 G 1	18	10.4	115.0	201.0
22140	14 G 1	18	11.4	134.0	230.0
22141	18 G 1	18	12.9	173.0	289.0
22142	21 G 1	18	13.8	196.0	306.0
22143	25 G 1	18	15.4	240.0	380.0
22144	32 G 1	18	17.1	308.0	620.0
22145	34 G 1	18	17.7	326.0	645.0
22146	42 G 1	18	19.5	403.0	730.0
22147	50 G 1	18	21.3	480.0	890.0
22148	2 x 1.5	16	6.4	29.0	68.0
22149	3 G 1.5	16	6.8	43.0	87.0
22150	4 G 1.5	16	7.4	58.0	106.0
22151	5 G 1.5	16	8.3	72.0	131.0
22152	7 G 1.5	16	9.2	101.0	173.0
22153	8 G 1.5	16	10.0	115.0	199.0
22154	10 G 1.5	16	10.9	144.0	245.0
22155	12 G 1.5	16	11.8	173.0	293.0
22156	14 G 1.5	16	13.0	202.0	347.0
22157	18 G 1.5	16	14.6	259.0	454.0
22158	21 G 1.5	16	15.6	302.0	534.0
22159	25 G 1.5	16	17.4	360.0	641.0
22160	30 G 1.5	16	18.6	410.0	800.0
22161	34 G 1.5	16	20.0	490.0	945.0
22162	42 G 1.5	16	21.8	605.0	1100.0
22163	50 G 1.5	16	24.2	720.0	1250.0
22164	2 x 2.5	14	7.8	48.0	110.0
22165	3 G 2.5	14	8.3	72.0	146.0
22166	4 G 2.5	14	9.2	96.0	183.0
22167	5 G 2.5	14	10.1	120.0	222.0
22168	7 G 2.5	14	11.2	168.0	293.0
22169	12 G 2.5	14	14.8	288.0	512.0
22170	18 G 2.5	14	18.2	432.0	740.0
22171	25 G 2.5	14	21.6	600.0	940.0
22172	2 x 4	12	9.2	77.0	147.0
22173	3 G 4	12	9.8	115.0	228.0
22174	4 G 4	12	10.9	154.0	291.0
22175	5 G 4	12	12.1	192.0	355.0
22176	7 G 4	12	13.2	269.0	503.0
22177	3 G 6	10	11.9	173.0	362.0
22178	4 G 6	10	13.0	230.0	468.0
22179	5 G 6	10	14.5	288.0	570.0
22180	7 G 6	10	16.2	403.0	808.0
22181	3 G 10	8	14.9	288.0	555.0
22182	4 G 10	8	16.5	384.0	720.0
22183	5 G 10	8	18.3	480.0	894.0
22184	7 G 10	8	20.2	672.0	1295.0
22185	4 G 16	6	20.1	614.0	1063.0
22186	5 G 16	6	22.6	768.0	1400.0
22187	7 G 16	6	24.8	1075.0	1800.0
22188	4 G 25	4	25.0	960.0	1590.0
22189	4 G 35	2	28.7	1344.0	2200.0
22190	4 G 50	1	34.1	1920.0	2400.0
22191	4 G 70	2/0	40.2	2688.0	4400.0
22192	4 G 95	3/0	46.0	3648.0	6000.0

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