PURö-JZ-HF / PURö-J-HF / PURö-OZ-HF

oil-resistant PVC core insulation



TECHNICAL DATA

PUR drag chain 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, extra finely stranded acc. to DIN VDE 0295 Class 6 / IEC 60228 Class 6
- Core insulation: oil-resistant PVC in alignment with 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
- G = with protective conductor GN-YE, in the outer layer, x = without protective conductor (OZ)
- Cores stranded in layers with optimally matched lay lengths
- Fleece wrapping
- 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
- suitable for use in drag chains
- 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

Extremely robust drag chain cable, which is distinguished by its high abrasion resistance and notch-tensile strength properties. 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. Due to its high abrasion resistance and small bending radius, it is ideally suited for use in drag chain systems.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- for use in energy supply systems:
  1) the assembly instructions must be observed
  2) for further application parameters, please refer to the selection tables
  3) for special applications, we recommend contacting us and using our data entry form for energy supply systems

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
15520	2 x 0.5	20	4.9	9.6	45.0
15521	3 G 0.5	20	5.2	14.4	56.0
15522	4 G 0.5	20	5.6	19.1	69.0
15523	5 G 0.5	20	6.3	24.0	92.0
15524	7 G 0.5	20	7.6	33.6	126.0
16161	7 x 0.5	20	7.6	33.6	126.0
15525	8 G 0.5	20	8.2	38.0	136.0
15526	10 G 0.5	20	9.3	48.0	158.0
15527	12 G 0.5	20	9.3	58.0	176.0
15528	14 G 0.5	20	9.7	67.0	212.0
15529	18 G 0.5	20	11.0	86.4	283.0
15530	21 G 0.5	20	12.3	96.0	310.0
15531	25 G 0.5	20	13.6	120.0	330.0
15532	30 G 0.5	20	13.8	144.0	390.0
15533	34 G 0.5	20	15.1	163.0	420.0
15534	42 G 0.5	20	16.4	202.0	500.0
15535	50 G 0.5	20	17.9	240.0	580.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
15538	2 x 0.75	19	5.4	14.4	57.0
15539	3 G 0.75	19	5.7	21.6	72.0
15540	4 G 0.75	19	6.5	29.0	97.0
15541	5 G 0.75	19	7.0	36.0	119.0
15542	7 G 0.75	19	8.4	50.0	165.0
15543	8 G 0.75	19	9.3	58.0	189.0
15544	10 G 0.75	19	10.5	72.0	214.0
15545	12 G 0.75	19	10.5	86.0	247.0
15546	14 G 0.75	19	11.1	101.0	283.0
15547	18 G 0.75	19	12.4	130.0	356.0
15548	21 G 0.75	19	13.9	151.0	502.0
15549	25 G 0.75	19	15.3	180.0	698.0
15550	30 G 0.75	19	15.7	216.0	720.0
15551	34 G 0.75	19	17.0	245.0	770.0
15552	42 G 0.75	19	18.5	302.0	840.0
15553	50 G 0.75	19	20.3	360.0	990.0
15556	2 x 1	18	5.7	19.2	64.0

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Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
15557	3 G 1	18	6.3	29.0	83.0
15558	4 G 1	18	6.8	38.5	113.0
15559	5 G 1	18	7.6	48.0	137.0
15560	7 G 1	18	9.2	67.0	191.0
15561	8 G 1	18	9.8	77.0	218.0
15562	10 G 1	18	11.2	96.0	251.0
15563	12 G 1	18	11.2	115.0	294.0
15564	14 G 1	18	11.9	134.0	337.0
15565	18 G 1	18	13.4	173.0	420.0
15566	21 G 1	18	14.9	196.0	504.0
15567	25 G 1	18	16.5	240.0	600.0
15568	32 G 1	18	17.6	308.0	732.0
15569	34 G 1	18	18.3	326.0	776.0
15570	41 G 1	18	19.8	394.0	925.0
15571	42 G 1	18	19.8	403.0	949.0
15572	50 G 1	18	21.7	480.0	1092.0
15573	65 G 1	18	24.9	624.0	1400.0
15575	2 x 1.5	16	6.5	29.0	90.0
15576	3 G 1.5	16	6.9	43.0	117.0
15577	4 G 1.5	16	7.7	58.0	147.0
15578	5 G 1.5	16	8.5	72.0	181.0
15579	7 G 1.5	16	10.4	101.0	274.0
15580	8 G 1.5	16	11.1	115.0	313.0
15581	10 G 1.5	16	12.6	144.0	344.0
15582	12 G 1.5	16	12.6	173.0	391.0
15583	14 G 1.5	16	13.4	202.0	457.0
15584	18 G 1.5	16	15.1	259.0	589.0
15585	21 G 1.5	16	16.8	302.0	680.0
15586	25 G 1.5	16	18.6	360.0	801.0
15587	30 G 1.5	16	19.1	410.0	938.0
15588	34 G 1.5	16	20.8	490.0	1048.0
15589	42 G 1.5	16	22.5	605.0	1290.0
15590	50 G 1.5	16	24.8	720.0	1520.0
15591	61 G 1.5	16	27.3	889.0	1850.0
15592	65 G 1.5	16	28.2	940.0	1970.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
15620	2 x 2.5	14	7.9	48.0	128.0
15621	3 G 2.5	14	8.4	72.0	160.0
15622	4 G 2.5	14	9.4	96.0	200.0
15623	5 G 2.5	14	10.5	120.0	268.0
15624	7 G 2.5	14	12.6	168.0	357.0
15625	12 G 2.5	14	15.5	288.0	571.0
15626	14 G 2.5	14	16.5	336.0	612.0
15627	18 G 2.5	14	18.5	432.0	800.0
15628	25 G 2.5	14	23.0	600.0	1100.0
15630	2 x 4	12	9.3	77.0	190.0
15631	3 G 4	12	9.9	115.0	250.0
15632	4 G 4	12	11.1	154.0	320.0
15633	5 G 4	12	12.3	192.0	400.0
15634	7 G 4	12	15.0	269.0	550.0
15653	1 G 6	10	6.0	58.0	81.0
15636	3 G 6	10	12.0	173.0	350.0
15637	4 G 6	10	13.4	230.0	500.0
15638	5 G 6	10	14.9	288.0	580.0
15639	7 G 6	10	18.1	403.0	800.0
15654	1 G 10	8	7.5	96.0	152.0
15641	3 G 10	8	15.3	288.0	660.0
15642	4 G 10	8	17.0	384.0	750.0
15643	5 G 10	8	19.1	480.0	990.0
15644	7 G 10	8	23.0	672.0	1300.0
15655	1 G 16	6	8.5	154.0	215.0
15645	4 G 16	6	19.8	614.0	1200.0
15646	5 G 16	6	22.2	768.0	1500.0
15647	7 G 16	6	27.0	1075.0	1900.0
15656	1 G 25	4	10.4	240.0	320.0
15648	4 G 25	4	24.1	960.0	1700.0
15649	4 G 35	2	30.2	1344.0	2300.0
15650	4 G 50	1	34.2	1920.0	2500.0
15651	4 G 70	2/0	38.5	2688.0	4600.0
15652	4 G 95	3/0	44.9	3648.0	6400.0

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