JZ-HF / OZ-HF

oil resistant



TECHNICAL DATA

PVC drag chain cable, in alignment with DIN VDE 0285-525-2-51 / DIN EN 50525-2-51

Temperature range	flexible -10°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: PVC, compound type Z 7225
- 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 optimally matched lay lengths
- Fleece wrapping over each stranding layer
- Outer sheath: oil-resistant special PVC acc. to DIN VDE 0207-363-4-1 / DIN EN 50363-4-1 (compound type TM5)
- Sheath colour: grey (RAL 7001)
- Length marking: in metres

PROPERTIES

- resistant to: oil
- 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

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- certifications and approvals: EAC

APPLICATION

A highly flexible PVC drag chain cable used for installation in dry and damp rooms, but not outdoors. Used for frequent lifting and bending stress in machine and tool construction, in robotics and on permanently moving machine parts. With free movement, without tensile stress and without forced motion control capabilities, these cables have proven their reliable performance in drag chain applications.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only
- cleanroom qualification tested on analog types; please note "cleanroom qualification" in your order
- 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.
15001	2 x 0.5	20	5.0	9.6	38.0
15002	3 G 0.5	20	5.3	14.0	44.0
15003	4 G 0.5	20	5.7	19.0	52.0
15004	5 G 0.5	20	6.3	24.0	67.0
15005	7 G 0.5	20	7.6	34.0	91.0
15090	7 x 0.5	20	7.6	34.0	91.0
15006	10 G 0.5	20	9.3	48.0	128.0
15007	12 G 0.5	20	9.3	58.0	137.0
15008	14 G 0.5	20	9.8	67.0	158.0
15009	16 G 0.5	20	10.3	77.0	182.0
15010	18 G 0.5	20	11.2	86.0	207.0
15011	20 G 0.5	20	11.6	96.0	226.0
15012	25 G 0.5	20	13.8	120.0	292.0
15013	30 G 0.5	20	13.7	144.0	330.0
15014	34 G 0.5	20	15.0	163.0	387.0
15015	36 G 0.5	20	15.0	173.0	399.0
15016	42 G 0.5	20	16.3	202.0	449.0
15017	50 G 0.5	20	17.9	240.0	573.0
15018	61 G 0.5	20	19.7	290.0	682.0
15019	2 x 0.75	19	5.5	14.0	44.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
15020	3 G 0.75	19	5.7	22.0	53.0
15021	4 G 0.75	19	6.5	29.0	67.0
15022	5 G 0.75	19	7.0	36.0	81.0
15023	7 G 0.75	19	8.4	50.0	111.0
15024	10 G 0.75	19	10.3	72.0	159.0
15025	12 G 0.75	19	10.3	86.0	174.0
14070	12 x 0.75	19	10.3	86.0	174.0
15026	14 G 0.75	19	11.1	101.0	201.0
13944	14 x 0.75	19	11.1	101.0	201.0
15027	16 G 0.75	19	11.6	115.0	225.0
15028	18 G 0.75	19	12.4	130.0	249.0
15029	20 G 0.75	19	13.0	144.0	282.0
15030	25 G 0.75	19	15.3	180.0	375.0
15031	30 G 0.75	19	15.5	216.0	411.0
15032	34 G 0.75	19	16.8	245.0	473.0
15033	36 G 0.75	19	16.8	259.0	509.0
15034	42 G 0.75	19	18.5	302.0	602.0
15035	50 G 0.75	19	20.3	360.0	706.0
15036	61 G 0.75	19	22.2	432.0	886.0
15091	65 G 0.75	19	23.1	439.0	899.0

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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.
15037	2 x 1	18	5.7	19.0	62.0
15038	3 G 1	18	6.1	29.0	64.0
15039	4 G 1	18	6.8	38.0	80.0
15040	5 G 1	18	7.5	48.0	97.0
15041	7 G 1	18	9.0	67.0	132.0
15042	10 G 1	18	11.2	96.0	187.0
15043	12 G 1	18	11.2	115.0	206.0
15044	14 G 1	18	11.7	134.0	239.0
15045	16 G 1	18	12.5	154.0	274.0
15046	18 G 1	18	13.2	173.0	307.0
15047	20 G 1	18	13.9	192.0	336.0
15048	25 G 1	18	16.5	240.0	443.0
15049	30 G 1	18	16.6	288.0	558.0
15050	34 G 1	18	18.1	326.0	601.0
15051	36 G 1	18	18.1	346.0	623.0
15052	41 G 1	18	19.6	403.0	710.0
15214	42 G 1	18	19.6	403.0	730.0
15053	50 G 1	18	21.7	480.0	868.0
15092	61 G 1	18	23.9	586.0	1044.0
15054	65 G 1	18	24.7	624.0	1195.0
15055	2 x 1.5	16	6.5	29.0	69.0
15056	3 G 1.5	16	6.9	43.0	84.0
15057	4 G 1.5	16	7.5	58.0	103.0
15058	5 G 1.5	16	8.5	72.0	129.0
15059	7 G 1.5	16	10.2	101.0	177.0
11017475	8 G 1.5	16	11.1	115.0	206.0
15060	10 G 1.5	16	12.4	144.0	248.0
15061	12 G 1.5	16	12.6	173.0	283.0
15062	14 G 1.5	16	13.2	202.0	327.0
15063	16 G 1.5	16	14.2	230.0	372.0
15064	18 G 1.5	16	14.9	259.0	418.0
15065	20 G 1.5	16	15.9	288.0	469.0
15066	25 G 1.5	16	18.6	360.0	631.0
15067	30 G 1.5	16	18.9	432.0	701.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
15068	34 G 1.5	16	20.6	490.0	800.0
15069	36 G 1.5	16	20.6	518.0	831.0
15070	42 G 1.5	16	22.3	605.0	987.0
15071	50 G 1.5	16	24.6	720.0	1241.0
15072	60 G 1.5	16	26.3	864.0	1431.0
15215	61 G 1.5	16	27.1	878.0	1495.0
15216	65 G 1.5	16	28.0	936.0	1566.0
15073	2 x 2.5	14	8.1	48.0	102.2
15074	3 G 2.5	14	8.6	72.0	129.0
15075	4 G 2.5	14	9.6	96.0	160.0
15076	5 G 2.5	14	10.5	120.0	201.0
15077	7 G 2.5	14	12.9	168.0	278.0
15078	10 G 2.5	14	15.5	240.0	398.0
15079	12 G 2.5	14	15.5	288.0	444.0
15080	14 G 2.5	14	16.8	336.0	512.0
15081	16 G 2.5	14	17.7	384.0	615.0
15082	18 G 2.5	14	18.8	432.0	678.0
15083	20 G 2.5	14	20.0	480.0	752.0
15084	25 G 2.5	14	23.7	600.0	1060.0
15085	30 G 2.5	14	24.0	720.0	1197.0
15086	34 G 2.5	14	26.0	816.0	1337.0
15087	36 G 2.5	14	26.0	864.0	1384.0
15088	42 G 2.5	14	28.5	1008.0	1599.0
15089	50 G 2.5	14	30.6	1200.0	1854.0
15142	3 G 4	12	10.5	115.0	213.0
15143	4 G 4	12	11.6	154.0	265.0
15144	5 G 4	12	12.9	192.0	328.0
15145	4 G 6	10	13.4	230.0	382.0
15146	5 G 6	10	14.7	288.0	461.0
15147	4 G 10	8	17.8	384.0	652.0
15148	5 G 10	8	19.7	480.0	790.0
15149	4 G 16	6	20.8	614.0	1007.0
15150	5 G 16	6	23.3	768.0	1304.0

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