

HELUCHAIN® JZ-602-HF PVC UL/CSA / HELUCHAIN® OZ-602-HF PVC UL/CSA



TECHNICAL DATA

PVC drag chain cable acc. to UL-Std. 758 (AWM) Style 21179, CSA-Std. C22.2 No. 210 - AWM I/II A/B

Temperature range	flexible -5°C to +80°C fixed -40°C to +80°C
Nominal voltage	UL (AWM) AC 1000 V
Test voltage core/core	3000 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: PP
- 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: Special-PVC acc. to UL-Std. 758 (AWM) Style 21179, CSA-Std. C22.2 No. 210
- Sheath colour: black (RAL 9005)
- Length marking: in metres

■ PROPERTIES

- resistant to: UV radiation, weathering effects
- largely resistant to: acids, alkalis, at room temperature

- 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

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2, UL VW-1, CSA FT1
- UV-resistant acc. to DIN EN ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2
- certifications and approvals: EAC

■ APPLICATION

For installation in dry, damp and wet rooms as well as outdoors; for applications involving free movement, no tensile stress and no forced movement guidance. Suitable for frequent lifting and bending stresses in machine and tool construction and on permanently moving machine parts.

■ 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. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
89900	3 G 0.5	20	5.8	16.1	45.0
89901	4 G 0.5	20	6.2	21.5	54.0
89902	5 G 0.5	20	6.7	27.0	63.0
89903	7 G 0.5	20	7.8	37.6	83.0
89904	9 G 0.5	20	8.9	48.4	96.0
89905	12 G 0.5	20	9.3	64.5	119.0
89906	18 G 0.5	20	11.0	97.0	172.0
89907	25 G 0.5	20	13.6	134.5	249.0
89908	34 G 0.5	20	15.0	182.8	276.0
11020415	2 x 0.75	19	6.0	14.4	45.0
11020416	5 G 0.75	19	7.4	36.0	81.0
11020417	7 G 0.75	19	8.6	50.4	107.0
11020418	12 G 0.75	19	10.5	86.4	162.0
11020419	18 G 0.75	19	12.4	129.6	234.0
11020420	25 G 0.75	19	15.3	180.0	337.0
89909	3 G 1	18	6.7	28.8	72.0
89910	4 G 1	18	7.2	38.4	95.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
89911	5 G 1	18	7.8	48.0	104.0
89912	7 G 1	18	9.2	67.2	153.0
89913	9 G 1	18	10.7	86.4	194.0
89914	12 G 1	18	11.2	115.2	252.0
89915	15 G 1	18	12.5	144.0	294.0
89916	18 G 1	18	13.4	172.8	393.0
47000	21 G 1	18	14.9	201.6	450.0
89917	25 G 1	18	16.5	240.0	550.0
89918	34 G 1	18	18.3	326.4	730.0
89919	3 G 1.5	16	7.3	44.0	91.0
89920	4 G 1.5	16	7.9	58.0	111.0
89921	5 G 1.5	16	8.7	72.0	136.0
89922	7 G 1.5	16	10.4	101.0	202.0
89923	9 G 1.5	16	12.1	129.7	244.0
89924	12 G 1.5	16	12.6	173.0	312.0
89925	18 G 1.5	16	15.1	260.0	524.0
89926	25 G 1.5	16	18.6	360.0	694.0

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89927	34 G 1.5	16	20.8	490.0	879.0
89932	3 G 2.5	14	8.6	72.0	140.0
89928	4 G 2.5	14	9.4	96.0	176.0
89933	5 G 2.5	14	10.5	120.0	228.0
89929	7 G 2.5	14	12.6	168.0	309.0
89934	12 G 2.5	14	15.5	288.0	558.0
89935	3 G 4	12	9.9	115.0	227.0
89930	4 G 4	12	11.1	154.0	317.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
89936	5 G 4	12	12.3	192.0	329.0
89931	7 G 4	12	15.0	269.0	507.0
89937	4 G 6	10	12.7	231.0	425.0
89938	4 G 10	8	16.5	384.0	655.0
89939	4 G 16	6	19.3	615.0	1149.0
89940	4 G 25	4	24.1	960.0	1530.0
89941	4 G 35	2	30.2	1344.0	2154.0