

JZ-602-RC-PUR



HELUKABEL® JZ-602 RC-PUR AWM 18 AWG/0,75 QMM 5C E170315 CSA AWM I/II A/B 80°C 600V FT1 CE

TECHNICAL DATA

PUR drag chain cable acc. to UL-Std. 758 (AWM) Style 20939, 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 600 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: Special-PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T12), UL-Std. 1581
- 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
- Cores stranded in layers with optimally matched lay lengths
- Fleece wrapping over each stranding layer
- 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

- flame-retardant acc. to UL VW-1, CSA FT1
- 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

For installation in dry, damp and wet rooms, as well as outdoors with free movement, without tensile stress and without forced motion control. Used as a highly flexible PUR drag chain cable well suited for frequent lifting and bending stress in machine and tool construction, in robotics and on permanently moving machine parts. RC= Robotics Cable

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-weight kg/km	Weight kg/km, approx.
12630	3 G 0.5	20	6.0	14.0	58.0
12631	4 G 0.5	20	6.5	19.0	69.0
12632	5 G 0.5	20	7.1	24.0	84.0
12633	7 G 0.5	20	8.2	34.0	123.0
12634	9 G 0.5	20	10.0	43.2	177.0
12635	12 G 0.5	20	10.5	58.2	192.0
12636	18 G 0.5	20	12.5	86.0	256.0
12637	25 G 0.5	20	15.2	120.0	358.0
12638	34 G 0.5	20	17.1	163.0	487.0
12639	3 G 0.75	18	6.6	23.8	88.0
12640	4 G 0.75	18	7.1	31.7	101.0
12641	5 G 0.75	18	7.8	39.6	126.0
12642	7 G 0.75	18	9.2	55.4	145.0
12643	9 G 0.75	18	11.0	86.4	168.0
12644	12 G 0.75	18	11.5	95.0	260.0
12645	15 G 0.75	18	13.2	119.0	300.0
12646	18 G 0.75	18	14.0	142.4	360.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
12647	25 G 0.75	18	17.2	197.8	640.0
12648	34 G 0.75	18	19.1	269.0	730.0
12649	3 G 1.5	16	7.4	44.0	94.0
12650	4 G 1.5	16	8.0	58.0	117.0
12651	5 G 1.5	16	8.8	72.0	140.0
12652	7 G 1.5	16	10.8	101.0	186.0
12653	9 G 1.5	16	12.8	129.7	244.0
12654	12 G 1.5	16	13.5	173.0	319.0
12655	18 G 1.5	16	16.0	260.0	451.0
12656	25 G 1.5	16	19.8	360.0	625.0
12657	34 G 1.5	16	22.4	490.0	840.0
12658	3 G 2.5	14	8.9	72.0	150.0
12659	4 G 2.5	14	10.1	96.0	185.0
12660	5 G 2.5	14	11.3	120.0	242.0
12661	7 G 2.5	14	13.6	168.0	293.0
12662	12 G 2.5	14	16.8	288.0	498.0
12663	3 G 4	12	10.9	115.0	231.0

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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.
12664	4 G 4	12	12.4	154.0	298.0
12665	5 G 4	12	13.8	192.0	370.0
12666	7 G 4	12	16.6	269.0	460.0
12667	4 G 6	10	14.6	231.0	430.0

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
12668	4 G 10	8	18.2	384.0	720.0
12669	4 G 16	6	22.6	615.0	1060.0
12670	4 G 25	4	26.5	960.0	1590.0
12671	4 G 35	2	30.8	1344.0	2105.0