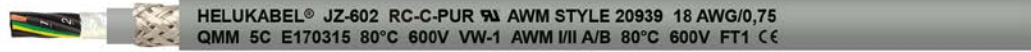


JZ-602-RC-C-PUR

EMC-preferred type



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
Coupling resistance	at 30 MHz, approx. 250 Ohm/km
Minimum bending radius	flexible 10x Outer-Ø fixed 5x 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
- Inner sheath: PVC
- Screen: braided screen of tinned copper wires, approx. coverage 85%
- 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. Suitable for frequent lifting and bending stress in machine and tool construction, robotics, and in permanently moving machine parts. Due to the high screening density, interference-free transmission of signals or pulses is ensured. EMC= Electromagnetic Compatibility; in order to optimise EMC properties, we recommend a double-sided and all-round large contact area of the copper braiding. 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.
12680	3 G 0.5	20	8.5	45.0	124.0
12681	4 G 0.5	20	9.0	52.0	135.0
12682	5 G 0.5	20	9.7	68.0	153.0
12683	7 G 0.5	20	11.0	93.0	191.0
12684	9 G 0.5	20	12.4	134.0	243.0
12685	12 G 0.5	20	13.5	163.0	322.0
12686	15 G 0.5	20	14.8	174.0	350.0
12687	18 G 0.5	20	16.0	191.0	374.0
12688	25 G 0.5	20	19.0	223.0	436.0
12689	3 G 0.75	18	8.9	56.0	130.0
12690	4 G 0.75	18	9.7	81.0	155.0
12691	5 G 0.75	18	10.4	90.0	181.0
12692	7 G 0.75	18	12.0	106.0	208.0
12693	9 G 0.75	18	14.1	161.0	321.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
12694	12 G 0.75	18	15.2	175.0	341.0
12695	15 G 0.75	18	16.7	204.0	396.0
12696	18 G 0.75	18	17.6	241.0	473.0
12697	25 G 0.75	18	20.7	342.0	650.0
12698	34 G 0.75	18	24.3	434.0	781.0
12699	3 G 1.5	16	10.2	89.0	165.0
12700	4 G 1.5	16	11.0	97.0	192.0
12701	5 G 1.5	16	11.8	111.0	224.0
12702	7 G 1.5	16	14.0	147.0	274.0
12703	9 G 1.5	16	16.4	193.0	340.0
12704	12 G 1.5	16	17.1	256.0	461.0
12705	18 G 1.5	16	20.2	360.0	674.0
12706	25 G 1.5	16	25.2	544.0	950.0
12707	34 G 1.5	16	28.1	674.0	1203.0

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Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
12708	3 G 2.5	14	11.8	141.0	220.0
12709	4 G 2.5	14	13.2	170.0	270.0
12710	5 G 2.5	14	14.2	195.0	350.0
12711	7 G 2.5	14	17.4	251.0	428.0
12712	12 G 2.5	14	21.0	368.0	730.0
12713	18 G 2.5	14	25.4	639.0	1140.0
12714	3 G 4	12	14.0	180.0	296.0
12715	4 G 4	12	15.9	232.0	456.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
12716	5 G 4	12	17.7	330.0	450.0
12717	7 G 4	12	20.9	395.0	737.0
12718	4 G 6	10	18.3	316.0	572.0
12719	4 G 10	8	23.2	490.0	1012.0
12720	4 G 16	6	27.6	850.0	1400.0
12721	4 G 25	4	33.1	1450.0	2100.0
12722	4 G 35	2	37.8	1890.0	2550.0