

MULTISPEED®-TRONIC-PUR

for extreme mechanical stress



HELUKABEL® MULTISPEED®-TRONIC-PUR 4x0,25 QMM E170315 AWM STYLE 20233
24AWG 4C 80°C 300V FT1 AWM I/II A/B 80°C 300V FT1 CE

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TECHNICAL DATA

PUR drag chain cable acc. to UL-Std. 758 (AWM) Style 20233, CSA-Std. C22.2 No. 210 - AWM I/II A/B

Temperature range	flexible -30°C to +80°C fixed -40°C to +80°C
Nominal voltage	UL (AWM) AC 300 V
Test voltage core/core	3000 V
Minimum bending radius	flexible 7.5x Outer-Ø fixed 4x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, finely stranded, unilay with short lay lengths
- Core insulation: Special-PP
- Core identification acc. to DIN 47100, colour coded
- x = without protective conductor
- Stranding:
 - 2 - 5 core(s): cores stranded into one layer with an optimally matched short lay length
 - 7 - 25 core(s): cores stranded into bundles with optimally matched, short lay lengths; bundles stranded together around a tensile core
- Outer sheath: Special grade of full polyurethane acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2 (compound type TMPU), extruded filler
- Sheath colour: black (RAL 9004)
- 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
- largely resistant to: chemicals
- highly abrasion-resistant, notch-resistant, tear-resistant, cut-resistant, wear-resistant, low adhesion
- for outdoor use

- suitable for use in drag chains
- highly resistant to alternate bending strength
- halogen-free
- 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
- 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

This UL/CSA approved cable is used when extreme demands are placed on the cable. Gearing toward the needs of the industry, materials and stranding techniques permit uninterrupted use as highly flexible drag chain cables with long travelling distance capabilities at high or low speeds. For installation in dry, damp and wet rooms, as well as outdoors. This special, robust and abrasion-resistant drag chain cable is used where highest demands on flexibility and load capacity are made, e.g. in cable carrier systems, industrial robots, production lines, automation systems and on permanently moving machine parts for continuous use in multi-shift operation.

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.
24567	2 x 0.25	24	3.9	5.0	27.0
24568	3 x 0.25	24	4.1	7.5	33.0
24569	4 x 0.25	24	4.4	10.0	40.0
24570	5 x 0.25	24	4.7	12.5	48.0
24571	7 x 0.25	24	6.9	17.5	60.0
24572	12 x 0.25	24	7.4	30.1	91.0
24573	18 x 0.25	24	8.9	45.0	125.0
24574	25 x 0.25	24	10.2	62.5	170.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
24575	2 x 0.34	22	4.1	6.8	32.0
24576	3 x 0.34	22	4.3	10.2	40.0
24577	4 x 0.34	22	4.6	13.6	55.0
24578	5 x 0.34	22	5.0	17.0	60.0
24579	7 x 0.34	22	7.3	23.8	80.0
24580	12 x 0.34	22	7.9	40.8	127.0
24581	18 x 0.34	22	9.7	61.2	175.0
24582	25 x 0.34	22	10.0	85.0	238.0