

MULTISPEED®-TRONIC-C-PUR

for extreme mechanical stress, EMC-preferred type



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
Coupling resistance	at 30 MHz, approx. 250 Ohm/km
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
- Inner sheath: TPE, extruded filler
- 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: 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

■ APPLICATION

For continuous operation in drag chains with long traverse paths and high as well as low speeds of movement; for installation in dry, moist and wet rooms as well as outdoors. This drag chain cable is particularly robust and abrasion resistant and used where highest requirements in regards to flexibility and resilience are imposed. As a screened cable, it allows interference-free transmission of data and signals in measurement and control technology applications. EMC= Electromagnetic compatibility; to optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

■ 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.
24614	2 x 0.25	24	5.4	74.0	39.0
24615	3 x 0.25	24	5.6	19.0	45.0
24616	4 x 0.25	24	5.9	22.0	51.0
24617	5 x 0.25	24	6.2	26.0	68.0
24618	7 x 0.25	24	8.7	35.0	83.0
24619	12 x 0.25	24	9.4	58.0	122.0
24620	18 x 0.25	24	11.5	79.0	160.0
24621	25 x 0.25	24	13.0	99.0	210.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
24622	2 x 0.34	22	5.6	18.0	45.0
24623	3 x 0.34	22	5.8	22.0	60.0
24624	4 x 0.34	22	6.1	28.0	76.0
24625	5 x 0.34	22	6.8	31.0	82.0
24626	7 x 0.34	22	9.3	51.0	110.0
24627	12 x 0.34	22	9.9	70.0	166.0
24628	18 x 0.34	22	12.3	103.0	216.0
24629	25 x 0.34	22	13.6	130.0	312.0

29.01.2021 / We reserve the right to make technical changes; the imprint in the image is purely exemplary