HELUCHAIN® MULTISPEED® 600-TPE-J / HELUCHAIN® MULTISPEED® 600-TPE-O

for extreme mechanical stress, oil resistant

TECHNICAL DATA

TPE sheathed single core cable acc. to UL-Std. 758 (AWM) Style 12108, CSA-Std. C22.2 No. 210 - AWM I/II A/B, in alignment with DIN VDE 0285-525-2-31 / DIN EN 50525-2-31

Temperature range	flexible -40°C to +90°C fixed -40°C to +90°C
Nominal voltage	VDE AC U_0/U 600/1000 V UL (AWM) AC 1000 V
Test voltage	3000 V
Minimum bending radius	flexible 5x Outer-Ø fixed 3x 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: see table
- G = with protective conductor GN-YE, x = without protective conductor
- Outer sheath: TPE
- Sheath colour: black (RAL 9004)
- Length marking: in metres

PROPERTIES

- resistant to: oil, UV radiation, ozone
- low adhesion
- for outdoor use
- suitable for use in drag chains
- highly restistant to alternate bending strength
- 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

APPLICATION

This UL/CSA approved cable is used when extreme demands are placed on the cable. Designed for export-oriented machine manufacturers, specifically in the USA and Canada. Gearing to the needs of the industry, materials and stranding techniques permit continuous use as highly flexible drag chain cable with long travelling distance capabilities at high and low speed. For installation in dry and damp rooms, as well as outdoors. With free movement, without tensile stress and without forced motion control capabilities, this highly flexible TPE drag chain cable is suitable for frequent lifting and bending stresses in machine and tool construction.

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

Core identification: green-yellow

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11026287	1 G 6	10	6.8	57.6	88.0
11026288	1 G 10	8	8.2	96.0	140.0
11026289	1 G 16	6	9.3	153.6	200.0
11026290	1 G 25	4	11.0	240.0	297.0
11026291	1 G 35	2	12.2	336.0	404.0
11026292	1 G 50	1	14.5	480.0	588.0
11026293	1 G 70	2/0	16.5	672.0	779.0
11026294	1 G 95	3/0	18.6	912.0	1030.0
11026295	1 G 120	4/0	20.6	1152.0	1278.0
11026296	1 G 150	250 kcmil	23.4	1440.0	1548.0
11026297	1 G 185	300 kcmil	25.6	1776.0	1886.0

Core identification: black

Part no.	No. cores x cross-sec. mm²	AWG, approx.	Outer Ø mm, approx.	Cu factor per km	Weight kg/km, approx.
11026299	1 x 6	10	6.8	57.6	88.0
11026300	1 x 10	8	8.2	96.0	140.0
11026301	1 x 16	6	9.3	153.6	200.0
11026302	1 x 25	4	11.0	240.0	297.0
11026303	1 x 35	2	12.2	336.0	404.0
11026304	1 x 50	1	14.5	480.0	588.0
11026305	1 x 70	2/0	16.5	672.0	779.0
11026306	1 x 95	3/0	18.6	912.0	1030.0
11026307	1 x 120	4/0	20.6	1152.0	1278.0
11026308	1 x 150	250 kcmil	23.4	1440.0	1548.0
11026309	1 x 185	300 kcmil	25.6	1776.0	1886.0