

# DESCAFLEX motion 600 UL

0,50 mm<sup>2</sup> - 16,00 mm<sup>2</sup>

Extra flexible drag chain cables PVC 600 V, numbered cores, UL 2587 CSA approved

## Application

In drag chains, at medium to high stress, as movable control- or power cable in mechanical engineering and machine tool construction, in industrial plants, etc..

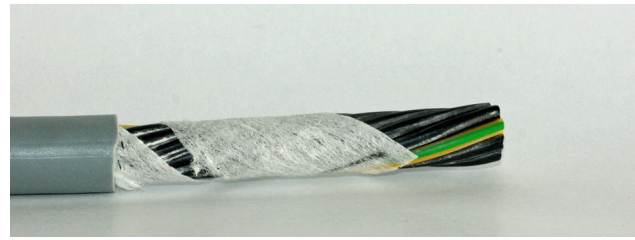
Operation speed max. 180 m/min, acceleration max. 6 m/s<sup>2</sup>, horizontal chain length max. 15 m.

## Construction

Extra flexible bare copper conductors, acc. to IEC 60228, class 6  
Insulation PVC, black with white numbers, 3 cores and above green-yellow included (in the outer lay)  
Cores laid up in lays  
Non-woven tape  
Sheath PVC grey, RAL 7001, adhesion-free

## Special Characteristics

The cables are oil resistant according to VDE 0472 - 803 A/B and HD 22.10 S1 and UL 1581. They are flame retardant according to IEC 60332-1, UL VW-1 and CSA FT1 as well. The PVC outer sheath is especially abrasion resistant and suitable to be used in contact with coolants, lubricants and aggressive chemicals.



## Technical Properties

Rated voltage U <sub>0</sub> /U	
- IEC	300 / 500 V
- UL/CSA	600 V
Test voltage	4000 V
Insulation resistance	20 MOhm x km
Temperature range	- 5°C ... + 90°C
- static installation	- 30°C ... + 90°C
Minimum bending radius	7,5 x cable diameter

## Standards / Approvals

UL AWM Style 2587 90°C 600 V  
CSA AWM I/II A/B 600 V FT1

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
213684	2 x 0,50	4.80	9.60	43.00
213685	3 x 0,50	6.60	14.40	50.00
213686	4 x 0,50	7.20	19.20	63.00
213687	5 x 0,50	7.70	24.00	75.00
213688	7 x 0,50	9.30	33.60	114.00
213690	12 x 0,50	11.50	57.60	164.00
213692	18 x 0,50	13.70	86.40	220.00
213694	25 x 0,50	16.80	120.00	305.00
213697	2 x 0,75	6.80	14.40	61.00
213698	3 x 0,75	7.20	21.60	69.00
213699	4 x 0,75	8.10	28.80	87.00
213700	5 x 0,75	8.70	36.00	108.00
213701	7 x 0,75	10.30	50.40	154.00
213703	12 x 0,75	12.20	86.40	221.00
213705	18 x 0,75	14.50	129.60	309.00
213707	25 x 0,75	17.60	180.00	395.00
213710	2 x 1,00	7.40	19.20	75.00
213711	3 x 1,00	7.70	28.80	82.00
213712	4 x 1,00	8.20	38.40	98.00
213713	5 x 1,00	8.80	48.00	120.00
213714	7 x 1,00	10.70	67.20	180.00
213716	12 x 1,00	13.50	115.20	270.00
213717	16 x 1,00	14.60	153.60	327.00
213718	18 x 1,00	15.80	172.80	380.00
213720	25 x 1,00	19.00	240.00	535.00
213721	34 x 1,00	21.10	326.00	740.00
213722	41 x 1,00	23.20	394.00	860.00

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
213723	2 x 1,50	7,90	28.80	70.00
213724	3 x 1,50	8.30	43.20	98.00
213725	4 x 1,50	9.10	57.60	126.00
213726	5 x 1,50	10.30	72.00	157.00
213727	7 x 1,50	12.00	100.80	231.00
213729	12 x 1,50	14.50	172.80	328.00
213730	16 x 1,50	16.00	230.40	430.00
213731	18 x 1,50	17.00	259.20	510.00
213733	25 x 1,50	21.00	360.00	705.00
213734	34 x 1,50	23.50	490.00	930.00
213735	41 x 1,50	25.80	592.00	1100.00
213736	2 x 2,50	9.80	48.00	148.00
213737	3 x 2,50	10.40	72.00	156.00
213738	4 x 2,50	11.50	96.00	195.00
213739	5 x 2,50	12.40	120.00	242.00
213740	7 x 2,50	15.00	168.00	320.00
213742	12 x 2,50	19.00	300.00	580.00
213744	18 x 2,50	21.80	432.00	840.00
213750	3 x 4,00	11.80	115.00	250.00
213751	4 x 4,00	14.10	153.60	320.00
213752	5 x 4,00	15.70	192.00	380.00
213753	7 x 4,00	17.50	268.80	490.00
213764	4 x 6,00	17.20	230.40	505.00
213765	5 x 6,00	16.00	288.00	600.00
213777	4 x 10,00	20.50	384.00	800.00
213778	5 x 10,00	19.00	480.00	910.00
213790	4 x 16,00	24.60	614.00	1140.00
213791	5 x 16,00	26.50	768.00	1390.00

## Packaging

cut to desired length