

# DESCAFLEX motion C-600 UL

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

Extra flexible drag chain cables PVC 600 V, numbered cores, shielded, 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..

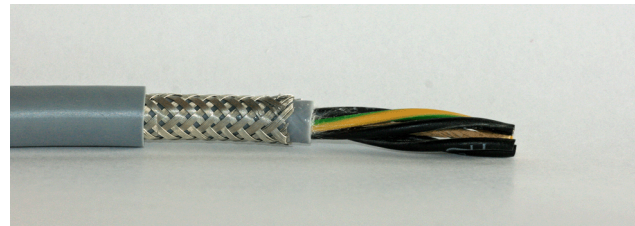
Operation speed max. 180 m/min, acceleration max. 6 m/s<sup>2</sup>, horizontal chain length max. 15 m.

## 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 (possible PVC inner sheath)  
Shielded by a tinned copper braid, coverage ca. 85 %  
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 3000 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
213918	2 x 0,50	7.60	35.00	53.00
213919	3 x 0,50	8.00	40.00	83.00
213920	4 x 0,50	8.40	47.00	96.00
213921	5 x 0,50	9.20	56.00	108.00
213922	7 x 0,50	10.50	71.00	142.00
213924	12 x 0,50	12.30	105.00	198.00
213926	18 x 0,50	14.50	154.00	285.00
213928	25 x 0,50	17.30	203.00	396.00
213931	2 x 0,75	8.60	41.00	83.00
213932	3 x 0,75	9.00	53.00	99.00
213933	4 x 0,75	9.40	64.00	115.00
213934	5 x 0,75	10.10	75.00	130.00
213935	7 x 0,75	11.20	100.00	181.00
213937	12 x 0,75	13.50	169.00	257.00
213939	18 x 0,75	16.50	226.00	370.00
213941	25 x 0,75	19.00	298.00	495.00
213944	2 x 1,00	8.30	48.00	96.00
213945	3 x 1,00	8.70	62.00	112.00
213946	4 x 1,00	9.50	78.00	132.00
213947	5 x 1,00	10.20	87.00	158.00
213948	7 x 1,00	12.20	118.00	205.00
213950	12 x 1,00	14.50	198.00	310.00
213952	18 x 1,00	17.00	265.00	440.00
213954	25 x 1,00	20.80	360.00	605.00

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
213957	2 x 1,50	9.30	69.00	114.00
213958	3 x 1,50	9.90	83.00	135.00
213959	4 x 1,50	10.60	97.00	172.00
213960	5 x 1,50	11.50	118.00	198.00
213961	7 x 1,50	13.20	149.00	260.00
213963	12 x 1,50	16.00	260.00	395.00
213965	18 x 1,50	19.10	350.00	570.00
213967	25 x 1,50	22.50	480.00	786.00
213968	34 x 1,50	25.80	670.00	1180.00
213969	41 x 1,50	28.20	780.00	1390.00
213970	2 x 2,50	10.90	80.00	160.00
213971	3 x 2,50	11.30	118.00	205.00
213972	4 x 2,50	12.50	160.00	248.00
213973	5 x 2,50	13.80	193.00	300.00
213974	7 x 2,50	16.70	260.00	420.00
213976	12 x 2,50	18.30	395.00	521.00
213978	18 x 2,50	21.10	550.00	905.00
213984	3 x 4,00	12.80	174.00	252.00
213985	4 x 4,00	14.60	237.00	370.00
213986	5 x 4,00	16.20	280.00	440.00
213987	7 x 4,00	19.00	365.00	660.00
213998	4 x 6,00	17.00	318.00	520.00
213999	5 x 6,00	18.00	390.00	580.00
214000	7 x 6,00	19.90	520.00	740.00
214011	4 x 10,00	21.00	490.00	790.00
214012	5 x 10,00	22.00	660.00	885.00
214013	7 x 10,00	26.00	840.00	1150.00
214024	4 x 16,00	24.00	780.00	1380.00
214025	5 x 16,00	26.20	990.00	1560.00
214026	7 x 16,00	28.40	1290.00	1820.00

## Packaging

cut to desired length