

# DESCAFLEX motion C-302 UL

0,14 mm<sup>2</sup> - 0,34 mm<sup>2</sup>

Extra flexible drag chain cables PVC 300 V, coloured cores, shielded, UL 2464 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..

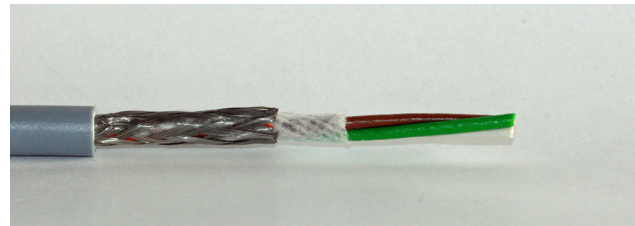
Operation speed max. 180 m/min, acceleration max. 6 m/s<sup>2</sup>, horizontal chain length max. 15 m.

## Construction

Extra flexible bare copper conductors, acc. to IEC 60228, class 6  
Insulation PVC, coloured according to DIN 47100  
Cores laid up in lays  
Non-woven tape  
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	300 / 300 V
Test voltage	1500 V
Insulation resistance	20 MOhm x km
Temperature range	- 5°C ... + 80°C
- static installation	- 30°C ... + 80°C
Minimum bending radius	7,5 x cable diameter

## Standards / Approvals

UL AWM Style 2464 80°C 300 V  
CSA AWM I/II A/B 80°C 300V FT1

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
215205	2 x 0,14	4.10	11.50	28.00
215206	3 x 0,14	4.30	14.00	34.00
215207	4 x 0,14	4.50	14.90	42.00
215208	5 x 0,14	4.80	17.80	47.00
215209	7 x 0,14	5.20	27.10	68.00
215210	10 x 0,14	6.00	39.80	87.00
215211	12 x 0,14	6.20	42.90	100.00
215212	14 x 0,14	6.50	45.80	106.00
215213	18 x 0,14	7.30	53.70	120.00
215215	25 x 0,14	8.40	69.00	160.00
215218	2 x 0,25	4.40	15.20	35.00
215219	3 x 0,25	4.50	18.80	39.00
215220	4 x 0,25	5.00	21.40	49.00
215221	5 x 0,25	5.70	31.00	64.00
215222	7 x 0,25	6.50	39.80	84.00
215223	10 x 0,25	7.80	53.40	102.00
215224	12 x 0,25	8.00	59.00	123.00
215225	14 x 0,25	8.30	64.50	132.00
215226	18 x 0,25	8.90	79.00	150.00
215228	25 x 0,25	11.00	102.00	198.00

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
215231	2 x 0,34	4.70	18.50	44.00
215232	3 x 0,34	5.20	27.20	58.00
215233	4 x 0,34	5.80	32.30	75.00
215234	5 x 0,34	6.30	39.20	84.00
215235	7 x 0,34	7.20	51.40	109.00
215236	10 x 0,34	7.50	68.00	141.00
215237	12 x 0,34	8.00	77.00	163.00
215238	14 x 0,34	8.40	86.50	182.00
215239	18 x 0,34	9.20	99.50	204.00
215241	25 x 0,34	11.30	153.00	272.00

## Packaging

cut to desired length