

# DESCAPUR motion C-314 UL

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

Extra flexible drag chain cables PUR 300 V, coloured cores, shielded, halogen-free, UL 20233 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..

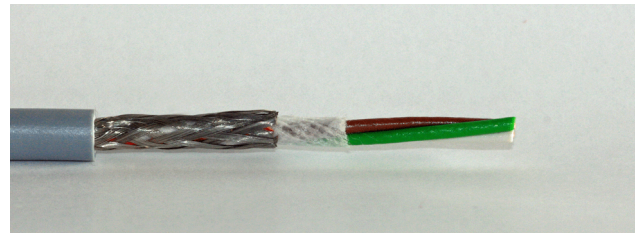
Operation speed max. 250 m/min (from 14 cores 200 m/min), acceleration max. 30 m/s<sup>2</sup> (from 14 cores 10 m/s<sup>2</sup>), horizontal chain length max. 15 m.

## Construction

Extra flexible bare copper conductors, acc. to IEC 60228, class 6  
Insulation Polyolefin (and TPE-E), 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 PUR 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, additionally halogen-free according to IEC 60754-1. The PUR outer sheath is suitable well to be used in contact with coolants, lubricants and aggressive chemicals and meets highest requirements to the abrasion resistance, to the tear and compressive resistance.



## Technical Properties

Rated voltage U <sub>0</sub> /U	300 / 300 V
Test voltage	1500 V
Insulation resistance	20 MOhm x km
Temperature range	- 30°C ... + 80°C
- static installation	- 40°C ... + 80°C
Minimum bending radius	6 x cable diameter
- over 14 cores	8 x cable diameter

## Standards / Approvals

UL AWM Style 20233 80°C 300 V  
(or UL AWM Style 20549 80°C 300V)  
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
215439	2 x 0,14	4.10	11.50	29.00
215440	3 x 0,14	4.40	14.00	34.00
215441	4 x 0,14	4.60	14.90	38.00
215442	5 x 0,14	4.80	17.80	45.00
215443	7 x 0,14	5.20	27.10	56.00
215444	10 x 0,14	6.60	39.80	80.00
215445	12 x 0,14	6.80	42.90	87.00
215446	14 x 0,14	7.10	45.80	100.00
215447	18 x 0,14	8.00	53.70	125.00
215449	25 x 0,14	8.40	69.00	162.00
215452	2 x 0,25	4.40	15.20	25.00
215453	3 x 0,25	4.60	18.80	29.00
215454	4 x 0,25	4.80	21.40	38.00
215455	5 x 0,25	5.40	26.20	44.00
215456	7 x 0,25	5.90	31.80	53.00
215457	10 x 0,25	7.40	53.40	80.00
215458	12 x 0,25	7.60	59.00	87.00
215459	14 x 0,25	7.80	64.50	97.00
215460	18 x 0,25	8.50	79.00	127.00
215462	25 x 0,25	10.00	102.00	161.00

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
215465	2 x 0,34	4.80	18.50	35.00
215466	3 x 0,34	5.10	27.20	42.00
215467	4 x 0,34	5.30	32.30	51.00
215468	5 x 0,34	5.50	39.20	66.00
215469	7 x 0,34	6.50	51.40	79.00
215470	10 x 0,34	8.00	68.00	109.00
215471	12 x 0,34	8.20	77.00	119.00
215472	14 x 0,34	8.30	86.50	130.00
215473	18 x 0,34	9.20	99.50	170.00
215475	25 x 0,34	10.40	153.00	222.00

## Packaging

cut to desired length