

# DESCAPUR motion C-318 UL Twist

0,14 mm<sup>2</sup> - 0,75 mm<sup>2</sup>

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

## 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..

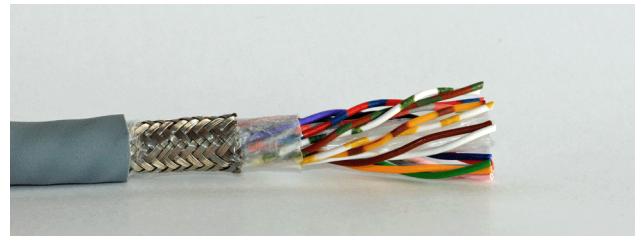
Operation speed max. 250 m/min (from 8 pairs 200 m/min), acceleration max. 30 m/s<sup>2</sup> (from 8 pairs 10 m/s<sup>2</sup>), horizontal chain length max. 15 m.

## Construction

Extra flexible bare copper conductors acc. to IEC 60228, class 6  
Insulation Polyolefin (and TPE-E), coloured according to DIN 47100  
Cores twisted to pairs, laid up in lays  
Non-woven tape  
Shielded by a tinned copper braid, coverage ca. 85 %  
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
- from 8 pairs	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
215517	2 x 2 x 0,14	5.30	15.00	32.00
215518	3 x 2 x 0,14	5.70	19.00	36.00
215519	4 x 2 x 0,14	6.00	22.30	40.00
215520	5 x 2 x 0,14	6.80	27.00	48.00
215521	6 x 2 x 0,14	7.50	30.50	54.00
215522	8 x 2 x 0,14	7.80	39.00	72.00
215523	10 x 2 x 0,14	9.30	51.00	82.00
215530	2 x 2 x 0,25	6.00	21.50	44.00
215531	3 x 2 x 0,25	6.50	30.00	48.00
215532	4 x 2 x 0,25	7.00	36.00	59.00
215533	5 x 2 x 0,25	7.50	43.00	71.00
215534	6 x 2 x 0,25	8.20	51.00	82.00
215535	8 x 2 x 0,25	8.90	64.00	115.00
215537	14 x 2 x 0,25	11.00	102.00	126.00
215538	16 x 2 x 0,25	11.80	119.00	189.00
215543	2 x 2 x 0,34	6.60	26.00	52.00
215544	3 x 2 x 0,34	7.00	37.00	56.00
215545	4 x 2 x 0,34	8.00	45.00	67.00
215546	5 x 2 x 0,34	8.20	53.00	78.00
215547	6 x 2 x 0,34	9.10	63.00	101.00
215548	8 x 2 x 0,34	10.50	81.00	135.00
215549	10 x 2 x 0,34	11.50	103.00	148.00
215551	16 x 2 x 0,34	13.80	158.00	210.00

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
215556	2 x 2 x 0,50	7.90	41.50	82.00
215557	3 x 2 x 0,50	8.80	58.00	92.00
215558	4 x 2 x 0,50	9.30	71.50	118.00
215559	5 x 2 x 0,50	10.60	87.00	140.00
215560	6 x 2 x 0,50	11.20	102.00	160.00
215561	8 x 2 x 0,50	12.30	136.00	240.00
215562	10 x 2 x 0,50	13.90	162.00	255.00
215563	14 x 2 x 0,50	16.00	212.00	330.00
215569	2 x 2 x 0,75	8.90	49.50	115.00
215570	3 x 2 x 0,75	10.00	70.00	120.00
215571	4 x 2 x 0,75	11.50	88.00	150.00
215572	5 x 2 x 0,75	12.50	106.00	180.00
215573	6 x 2 x 0,75	13.60	130.00	210.00
215574	8 x 2 x 0,75	15.30	169.00	310.00
215575	10 x 2 x 0,75	16.50	203.00	330.00

## Packaging

cut to desired length