

DESCAPUR motion 314 UL

0,14 mm² - 0,34 mm²

Extra flexible drag chain cables PUR 300 V, coloured cores, 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/s² (from 14 cores 10 m/s²), 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
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 ₀ /U | 300 / 300 V |
| Test voltage | 1500 V |
| Insulation resistance | 20 MΩm x km |
| Temperature range | - 30°C ... + 80°C |
| - static installation | - 40°C ... + 80°C |
| Minimum bending radius | 6 x cable diameter |
| - from 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 ² | Overall-Ø ca. mm | Copper kg/km | Weight kg/km |
|-------------|--------------------------|------------------|--------------|--------------|
| 215400 | 2 x 0,14 | 3.80 | 2.80 | 14.00 |
| 215401 | 3 x 0,14 | 4.00 | 4.20 | 16.00 |
| 215402 | 4 x 0,14 | 4.20 | 5.60 | 19.00 |
| 215403 | 5 x 0,14 | 4.60 | 7.00 | 22.00 |
| 215404 | 7 x 0,14 | 4.90 | 9.80 | 28.00 |
| 215405 | 10 x 0,14 | 5.90 | 14.00 | 35.00 |
| 215406 | 12 x 0,14 | 6.10 | 16.80 | 38.00 |
| 215407 | 14 x 0,14 | 6.30 | 19.60 | 43.00 |
| 215408 | 18 x 0,14 | 6.70 | 25.20 | 67.00 |
| 215410 | 25 x 0,14 | 7.90 | 35.00 | 94.00 |
| 215413 | 2 x 0,25 | 4.10 | 5.00 | 21.00 |
| 215414 | 3 x 0,25 | 4.40 | 7.50 | 26.00 |
| 215415 | 4 x 0,25 | 4.70 | 10.00 | 30.00 |
| 215416 | 5 x 0,25 | 4.90 | 12.50 | 36.00 |
| 215417 | 7 x 0,25 | 5.80 | 17.50 | 44.00 |
| 215418 | 10 x 0,25 | 6.50 | 25.00 | 61.00 |
| 215419 | 12 x 0,25 | 6.80 | 30.00 | 68.00 |
| 215420 | 14 x 0,25 | 7.30 | 35.00 | 76.00 |
| 215421 | 18 x 0,25 | 7.80 | 45.00 | 103.00 |
| 215423 | 25 x 0,25 | 9.00 | 62.50 | 133.00 |

| Part Number | Type n x mm ² | Overall-Ø ca. mm | Copper kg/km | Weight kg/km |
|-------------|--------------------------|------------------|--------------|--------------|
| 215426 | 2 x 0,34 | 4.20 | 6.80 | 28.00 |
| 215427 | 3 x 0,34 | 4.40 | 10.20 | 34.00 |
| 215428 | 4 x 0,34 | 5.00 | 13.60 | 41.00 |
| 215429 | 5 x 0,34 | 5.60 | 17.00 | 48.00 |
| 215430 | 8 x 0,34 | 6.80 | 26.10 | 68.00 |
| 215431 | 10 x 0,34 | 7.40 | 34.00 | 87.00 |
| 215432 | 12 x 0,34 | 7.60 | 40.80 | 95.00 |
| 215433 | 14 x 0,34 | 7.80 | 47.60 | 107.00 |
| 215434 | 18 x 0,34 | 8.30 | 61.20 | 143.00 |
| 215436 | 25 x 0,34 | 10.00 | 85.00 | 187.00 |

Packaging

cut to desired length