

# DESCAPUR motion C-510

0,50 mm<sup>2</sup> - 10,00 mm<sup>2</sup>

Extra flexible drag chain cables PUR 500 V, numbered cores, shielded

## 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)

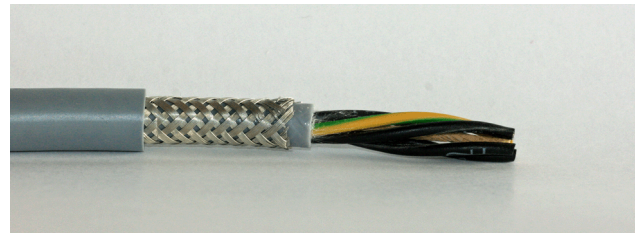
Shielded by a tinned copper braid, coverage ca. 85 %

Non-woven tape

Sheath 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, furthermore flame retardant according to IEC 60332-1. 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 / 500 V
Test voltage	2000 V
Insulation resistance	20 MΩm x km
Temperature range	- 5°C ... + 70°C
- static installation	- 20°C ... + 70°C
Minimum bending radius	7,5 x cable diameter

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
214270	3 x 0,50	8.00	40.00	70.00
214271	4 x 0,50	8.30	47.00	77.00
214272	5 x 0,50	9.50	56.00	101.00
214273	7 x 0,50	10.60	71.00	143.00
214275	12 x 0,50	12.40	105.00	205.00
214277	18 x 0,50	14.40	154.00	290.00
214279	25 x 0,50	16.60	203.00	377.00
214282	2 x 0,75	7.60	41.00	72.00
214283	3 x 0,75	8.10	53.00	80.00
214284	4 x 0,75	8.70	64.00	112.00
214285	5 x 0,75	9.50	75.00	128.00
214286	7 x 0,75	11.00	100.00	186.00
214288	12 x 0,75	13.10	169.00	267.00
214290	18 x 0,75	15.20	226.00	379.00
214292	25 x 0,75	18.40	298.00	498.00
214295	2 x 1,00	8.00	48.00	100.00
214296	3 x 1,00	8.50	62.00	128.00
214297	4 x 1,00	9.20	78.00	153.00
214298	5 x 1,00	10.10	87.00	175.00
214299	7 x 1,00	11.30	118.00	230.00
214301	12 x 1,00	13.20	198.00	350.00
214303	18 x 1,00	16.60	265.00	490.00
214304	25 x 1,00	20.00	360.00	652.00

Part Number	Type n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
214309	3 x 1,50	9.40	83.00	153.00
214310	4 x 1,50	10.20	97.00	190.00
214311	5 x 1,50	11.00	118.00	230.00
214312	7 x 1,50	12.60	149.00	328.00
214314	12 x 1,50	15.40	260.00	443.00
214315	16 x 1,50	18.80	318.00	513.00
214316	18 x 1,50	18.00	350.00	620.00
214318	25 x 1,50	22.50	480.00	970.00
214322	3 x 2,50	11.20	118.00	239.00
214323	4 x 2,50	12.30	160.00	303.00
214324	5 x 2,50	13.50	193.00	372.00
214325	7 x 2,50	16.30	260.00	483.00
214336	4 x 4,00	14.30	237.00	431.00
214337	5 x 4,00	15.50	280.00	515.00
214349	4 x 6,00	17.00	318.00	581.00
214350	5 x 6,00	17.50	390.00	750.00
214362	4 x 10,00	20.50	490.00	860.00
214363	5 x 10,00	22.00	660.00	980.00

## Packaging

cut to desired length