

DESCAPUR motion 510

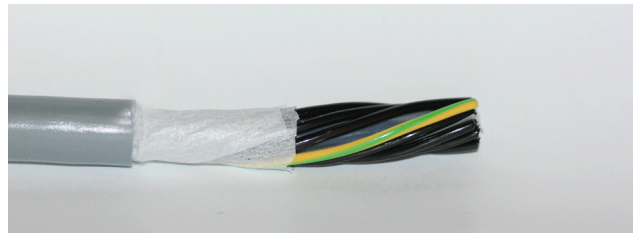
0,50 mm² - 10,00 mm²

Extra flexible drag chain cables PUR 500 V, numbered cores

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/s², 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

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 ₀ /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 ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
214153	3 x 0,50	6.30	14.40	48.00
214154	4 x 0,50	7.10	19.20	58.00
214155	5 x 0,50	7.40	24.00	69.00
214156	7 x 0,50	8.30	33.60	85.00
214158	12 x 0,50	10.00	57.60	134.00
214160	18 x 0,50	12.30	86.40	190.00
214162	25 x 0,50	15.20	120.00	270.00
214165	2 x 0,75	6.50	14.40	54.00
214166	3 x 0,75	6.70	21.60	66.00
214167	4 x 0,75	7.30	28.80	78.00
214168	5 x 0,75	8.00	36.00	91.00
214169	7 x 0,75	9.40	50.40	124.00
214171	12 x 0,75	11.60	86.40	191.00
214173	18 x 0,75	13.70	129.60	283.00
214175	25 x 0,75	17.10	180.00	388.00
214178	2 x 1,00	6.50	19.20	63.00
214179	3 x 1,00	7.10	28.80	75.00
214180	4 x 1,00	7.50	38.40	91.00
214181	5 x 1,00	8.20	48.00	112.00
214182	7 x 1,00	9.70	67.20	139.00
214184	12 x 1,00	12.60	115.20	221.00
214185	16 x 1,00	13.60	153.60	295.00
214186	18 x 1,00	14.40	172.80	328.00
214188	25 x 1,00	17.60	240.00	465.00

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
214191	2 x 1,50	6.70	28.80	79.00
214192	3 x 1,50	7.80	43.20	95.00
214193	4 x 1,50	8.40	57.60	118.00
214194	5 x 1,50	9.10	72.00	143.00
214195	7 x 1,50	10.60	100.80	182.00
214197	12 x 1,50	14.00	172.80	305.00
214199	18 x 1,50	16.60	259.20	452.00
214201	25 x 1,50	20.20	360.00	634.00
214205	3 x 2,50	9.80	72.00	138.00
214206	4 x 2,50	10.80	96.00	174.00
214207	5 x 2,50	11.90	120.00	214.00
214208	7 x 2,50	14.50	168.00	281.00
214210	12 x 2,50	17.20	300.00	468.00
214212	18 x 2,50	20.80	432.00	680.00
214219	4 x 4,00	13.00	153.60	290.00
214220	5 x 4,00	13.60	192.00	360.00
214221	7 x 4,00	16.00	268.80	480.00
214232	4 x 6,00	15.30	230.40	485.00
214233	5 x 6,00	16.50	288.00	580.00
214245	4 x 10,00	19.00	384.00	730.00
214246	5 x 10,00	20.30	480.00	910.00

Packaging

cut to desired length