

DESCAPUR motion 614 UL

0,50 mm² - 16,00 mm²

Extra flexible drag chain cables PUR 600 V, numbered cores, halogen-free, UL 20234 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..

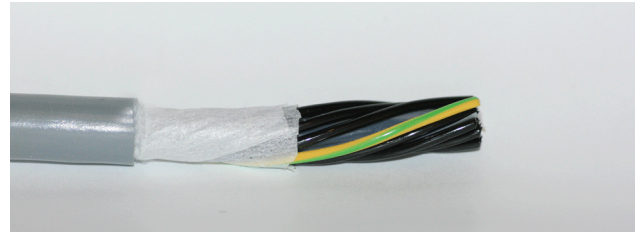
Operation speed max. 250 m/min (from 14 cores 200 m/min), acceleration max. 30 m/s² (from 14 cores 10 m/s²), horizontal chain length max. 15 m.

Construction

Extra flexible bare copper conductors, acc. to IEC 60228, class 6
Insulation Polyolefin (and TPE-E), 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 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	
- IEC	300 / 500 V (450 / 750 V)
- UL/CSA	600 V (1'000 V)
Test voltage	4000 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 14 cores	8 x cable diameter

Standards / Approvals

UL AWM Style 20234 80°C 600 V
(or UL AWM Style 2570 80°C 600V / 1000 V)
CSA AWM I/II A/B 80°C 600V FT1

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
214620	2 x 0,50	5.70	9.60	43.00
214621	3 x 0,50	6.00	14.40	50.00
214622	4 x 0,50	6.60	19.20	63.00
214623	5 x 0,50	7.00	24.00	75.00
214624	7 x 0,50	7.90	33.60	114.00
214626	12 x 0,50	9.20	57.60	164.00
214628	18 x 0,50	10.50	86.40	220.00
214630	25 x 0,50	12.50	120.00	305.00
214631	34 x 0,50	14.00	163.00	370.00
214632	41 x 0,50	15.00	197.00	405.00
214633	2 x 0,75	6.30	14.40	61.00
214634	3 x 0,75	6.60	21.60	69.00
214635	4 x 0,75	7.00	28.80	87.00
214636	5 x 0,75	7.50	36.00	108.00
214637	7 x 0,75	8.60	50.40	154.00
214639	12 x 0,75	10.00	86.40	221.00
214641	18 x 0,75	11.50	129.60	309.00
214643	25 x 0,75	14.20	180.00	395.00
214644	34 x 0,75	15.30	245.00	460.00
214645	41 x 0,75	17.00	296.00	550.00
214646	2 x 1,00	6.70	19.20	75.00
214647	3 x 1,00	7.10	28.80	82.00
214648	4 x 1,00	7.50	38.40	98.00
214649	5 x 1,00	8.10	48.00	120.00
214650	7 x 1,00	9.00	67.20	180.00
214652	12 x 1,00	11.00	115.20	270.00
214654	18 x 1,00	12.80	172.80	380.00
214656	25 x 1,00	15.00	240.00	535.00
214657	34 x 1,00	17.20	326.00	740.00
214658	41 x 1,00	18.80	394.00	860.00
214659	50 x 1,00	21.00	480.00	950.00

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
214660	2 x 1,50	7.30	28.80	70.00
214661	3 x 1,50	7.70	43.20	98.00
214662	4 x 1,50	8.20	57.60	126.00
214663	5 x 1,50	8.90	72.00	157.00
214664	7 x 1,50	10.50	100.80	231.00
214666	12 x 1,50	12.60	172.80	328.00
214668	18 x 1,50	15.00	259.20	510.00
214670	25 x 1,50	18.00	360.00	705.00
214671	34 x 1,50	20.50	490.00	930.00
214672	41 x 1,50	23.00	592.00	1100.00
214673	50 x 1,50	28.00	720.00	1180.00
214674	2 x 2,50	8.40	48.00	148.00
214675	3 x 2,50	9.00	72.00	156.00
214676	4 x 2,50	9.50	96.00	195.00
214677	5 x 2,50	10.50	120.00	242.00
214678	7 x 2,50	12.20	168.00	320.00
214680	12 x 2,50	14.90	300.00	580.00
214682	18 x 2,50	17.90	432.00	840.00
214684	25 x 2,50	21.50	600.00	1100.00
214689	3 x 4,00	10.80	115.00	250.00
214690	4 x 4,00	11.80	153.60	320.00
214691	5 x 4,00	13.00	192.00	380.00
214692	7 x 4,00	15.50	269.00	490.00
214701	3 X 6,00	12.50	173.00	330.00
214702	4 x 6,00	13.50	230.40	505.00
214703	5 x 6,00	15.30	288.00	600.00
214714	4 x 10,00	16.70	384.00	800.00
214715	5 x 10,00	18.50	480.00	910.00
214726	4 x 16,00	19.50	614.00	1100.00
214727	5 x 16,00	22.00	768.00	1360.00

Packaging

cut to desired length