

# DESCAPUR motion 616 UL Servo

1,50 mm<sup>2</sup> - 300,00 mm<sup>2</sup>

Extra flexible drag chain Motor cable PUR 0,6/1 kV, halogen-free, DESINA, UL 10587 CSA

## Application

Extra flexible supply cables for connections of motors, in mechanical engineering and machine tool construction, in industrial plants, in drag chains under highest stress, etc..

Operation speed max. 250 m/min, acceleration max. 30 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)  
Core colour black resp. green-yellow  
Sheath PUR *DESINA* black, adhesions-free

## Technical Properties

Rated voltage U <sub>0</sub> /U	600 / 1000 V
Test voltage	4000 V
Insulation resistance	20 MOhm x km
Operating temperature	- 30°C ... + 80°C
- static installation	- 40°C ... + 80°C
Minimum bending radius	6 x cable diameter

## Special Characteristics

The cables are oil resistant according to VDE 0472 - 803 A/B, 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 extremely suitable to be used in contact with coolants, lubricants and aggressive chemicals and meets the high demands on abrasion, tear and compressive resistance.

## Standards / Approvals

UL AWM Style 10587 80°C 1000 V  
CSA AWM I/II A/B 80°C 1000 V FT1  
or  
UL AWM Style 21223 80°C 1000 V  
CSA AWM I/II A/B 80°C 1000 V FT1

*DESINA*

Part Number	Type	n x mm <sup>2</sup>	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
<b>- Conductor insulation black (L)</b>					
215649	DESCAPUR motion 616 Servo	1 x 1,50 L	5.00	14.40	30.00
215650	DESCAPUR motion 616 Servo	1 x 2,50 L	5.70	24.00	48.00
215651	DESCAPUR motion 616 Servo	1 x 4,00 L	6.30	39.00	71.00
215652	DESCAPUR motion 616 Servo	1 x 6,00 L	7.10	58.00	100.00
215653	DESCAPUR motion 616 Servo	1 x 10,00 L	8.40	96.00	150.00
215654	DESCAPUR motion 616 Servo	1 x 16,00 L	9.80	154.00	218.00
215655	DESCAPUR motion 616 Servo	1 x 25,00 L	11.20	240.00	320.00
215656	DESCAPUR motion 616 Servo	1 x 35,00 L	12.70	336.00	455.00
215657	DESCAPUR motion 616 Servo	1 x 50,00 L	15.00	480.00	625.00
215658	DESCAPUR motion 616 Servo	1 x 70,00 L	16.60	672.00	800.00
215659	DESCAPUR motion 616 Servo	1 x 95,00 L	19.20	912.00	1090.00
215660	DESCAPUR motion 616 Servo	1 x 120,00 L	22.80	1152.00	1350.00
215661	DESCAPUR motion 616 Servo	1 x 150,00 L	24.00	1440.00	1750.00
215662	DESCAPUR motion 616 Servo	1 x 185,00 L	25.50	1776.00	2300.00
223001	DESCAPUR motion 616 Servo	1 x 240,00 L	28.50	2304.00	2930.00
223002	DESCAPUR motion 616 Servo	1 x 300,00 L	34.00	2880.00	3590.00

## - Conductor insulation green-yellow (PE)

215663	DESCAPUR motion 616 Servo	1 x 1,50 PE	5.00	14.40	30.00
215664	DESCAPUR motion 616 Servo	1 x 2,50 PE	5.70	24.00	48.00
215665	DESCAPUR motion 616 Servo	1 x 4,00 PE	6.30	39.00	71.00
215666	DESCAPUR motion 616 Servo	1 x 6,00 PE	7.10	58.00	100.00
215667	DESCAPUR motion 616 Servo	1 x 10,00 PE	8.40	96.00	150.00
215668	DESCAPUR motion 616 Servo	1 x 16,00 PE	9.80	154.00	218.00
215669	DESCAPUR motion 616 Servo	1 x 25,00 PE	11.20	240.00	320.00
215670	DESCAPUR motion 616 Servo	1 x 35,00 PE	12.70	336.00	455.00
215671	DESCAPUR motion 616 Servo	1 x 50,00 PE	15.00	480.00	625.00
215672	DESCAPUR motion 616 Servo	1 x 70,00 PE	16.60	672.00	800.00
215673	DESCAPUR motion 616 Servo	1 x 95,00 PE	19.20	912.00	1090.00
223015	DESCAPUR motion 616 Servo	1 x 120,00 PE	22.80	1152.00	1350.00
223016	DESCAPUR motion 616 Servo	1 x 150,00 PE	24.00	1440.00	1750.00
223017	DESCAPUR motion 616 Servo	1 x 185,00 PE	25.50	1776.00	2300.00
223018	DESCAPUR motion 616 Servo	1 x 240,00 PE	28.50	2304.00	2930.00
223019	DESCAPUR motion 616 Servo	1 x 300,00 PE	34.00	2880.00	3590.00

## Packaging

cut to desired length