

DESCAPUR motion C-616 UL Servo

1,50 mm² - 300,00 mm²

Extra flexible drag chain Motor cable PUR 0,6/1 kV, shielded, 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/s², 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
Non-woven tape
Shielded by a tinned copper braid, coverage ca. 85 %
Non-woven tape
Sheath PUR *DESINA* black, adhesion-free

Technical Properties

Rated voltage U₀/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 ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
- Conductor insulation black (L)					
223031	DESCAPUR motion C-616 Servo	(1 x 1,50) L	5.40	24.50	42.00
223032	DESCAPUR motion C-616 Servo	(1 x 2,50) L	6.10	39.00	58.00
223033	DESCAPUR motion C-616 Servo	(1 x 4,00) L	6.70	60.00	94.00
215676	DESCAPUR motion C-616 Servo	(1 x 6,00) L	7.50	81.00	125.00
215677	DESCAPUR motion C-616 Servo	(1 x 10,00) L	8.80	128.00	185.00
215678	DESCAPUR motion C-616 Servo	(1 x 16,00) L	10.20	190.00	255.00
215679	DESCAPUR motion C-616 Servo	(1 x 25,00) L	12.00	280.00	370.00
215680	DESCAPUR motion C-616 Servo	(1 x 35,00) L	13.80	385.00	500.00
215681	DESCAPUR motion C-616 Servo	(1 x 50,00) L	15.60	540.00	685.00
215682	DESCAPUR motion C-616 Servo	(1 x 70,00) L	17.40	720.00	875.00
215683	DESCAPUR motion C-616 Servo	(1 x 95,00) L	20.20	990.00	1210.00
215684	DESCAPUR motion C-616 Servo	(1 x 120,00) L	23.80	1320.00	1490.00
215685	DESCAPUR motion C-616 Servo	(1 x 150,00) L	24.60	1570.00	1940.00
215686	DESCAPUR motion C-616 Servo	(1 x 185,00) L	26.50	1930.00	2610.00
223034	DESCAPUR motion C-616 Servo	(1 x 240,00) L	29.50	2540.00	3360.00
223035	DESCAPUR motion C-616 Servo	(1 x 300,00) L	35.00	3130.00	4070.00
- Conductor insulation green-yellow (PE)					
223040	DESCAPUR motion C-616 Servo	(1 x 1,50) PE	5.40	24.50	42.00
223041	DESCAPUR motion C-616 Servo	(1 x 2,50) PE	6.10	39.00	58.00
223042	DESCAPUR motion C-616 Servo	(1 x 4,00) PE	6.70	60.00	94.00
223043	DESCAPUR motion C-616 Servo	(1 x 6,00) PE	7.50	81.00	125.00
223044	DESCAPUR motion C-616 Servo	(1 x 10,00) PE	8.80	128.00	185.00
223045	DESCAPUR motion C-616 Servo	(1 x 16,00) PE	10.20	190.00	255.00
223046	DESCAPUR motion C-616 Servo	(1 x 25,00) PE	12.00	280.00	370.00
223047	DESCAPUR motion C-616 Servo	(1 x 35,00) PE	13.80	385.00	500.00
223048	DESCAPUR motion C-616 Servo	(1 x 50,00) PE	15.60	540.00	685.00
223049	DESCAPUR motion C-616 Servo	(1 x 70,00) PE	17.40	720.00	875.00
223050	DESCAPUR motion C-616 Servo	(1 x 95,00) PE	20.20	990.00	1210.00
223051	DESCAPUR motion C-616 Servo	(1 x 120,00) PE	23.80	1320.00	1490.00
223052	DESCAPUR motion C-616 Servo	(1 x 150,00) PE	24.60	1570.00	1940.00
223053	DESCAPUR motion C-616 Servo	(1 x 185,00) PE	26.50	1930.00	2610.00
223054	DESCAPUR motion C-616 Servo	(1 x 240,00) PE	29.50	2540.00	3360.00
223055	DESCAPUR motion C-616 Servo	(1 x 300,00) PE	35.00	3130.00	4070.00

Packaging

cut to desired length