

DESCAPUR motion C-616 UL Servo

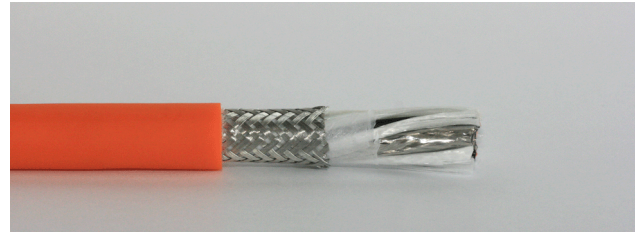
0,75 mm² - 50,00 mm²

Extra flexible drag chain Servo cables PUR 0,6/1 kV, shielded, halogen-free, DESINA, UL 20234 CSA

Application

Extra flexible supply cables for connections of motors, especially of servo-drives and frequency inverters, 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)
Power cores black with white numbers 1- 3 respectively U/L1/C/L+, V/L2, W/L3/D/L- and ground conductor green-yellow included always
Control pair, cores black with white numbers (5, 6),
Foil tape over it
Shielded by a tinned copper braid, coverage ca. 85 %
Foil tape over it
Cores laid up in optimised pitches
Non-woven tape
Shielded by a tinned copper braid, coverage ca. 85 %
Non-woven tape
Sheath PUR *DESINA* orange, RAL 2003, adhesion-free

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.

Technical Properties

Rated voltage U ₀ /U	600 / 1000 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

Standards / Approvals

UL AWM Style 20234 80°C 600 V
CSA AWM I/II A/B 80°C 600V FT1
or
UL AWM Style 21223 80°C 1000 V
CSA AWM I/II A/B 80°C 1000V FT1

DESINA

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
215777	DESCAPUR motion C-616 Servo (4 G 0,75 + (2 x 0,50))	10.00	81.00	131.00
215778	DESCAPUR motion C-616 Servo (4 G 1,00 + (2 x 0,50))	10.50	91.00	144.00
215779	DESCAPUR motion C-616 Servo (4 G 1,00 + (2 x 0,75))	10.70	98.00	153.00
215780	DESCAPUR motion C-616 Servo (4 G 1,50 + (2 x 1,00))	11.60	137.00	221.00
215781	DESCAPUR motion C-616 Servo (4 G 1,50 + (2 x 1,50))	11.90	176.00	228.00
215783	DESCAPUR motion C-616 Servo (4 G 2,50 + (2 x 1,50))	12.40	208.00	268.00
215785	DESCAPUR motion C-616 Servo (4 G 4,00 + (2 x 1,50))	13.80	275.00	320.00
215786	DESCAPUR motion C-616 Servo (4 G 6,00 + (2 x 1,50))	15.90	345.00	463.00
215787	DESCAPUR motion C-616 Servo (4 G 10,00 + (2 x 1,50))	19.00	550.00	720.00
215788	DESCAPUR motion C-616 Servo (4 G 16,00 + (2 x 1,50))	23.00	803.00	965.00
215789	DESCAPUR motion C-616 Servo (4 G 25,00 + (2 x 1,50))	28.00	1220.00	1560.00
215790	DESCAPUR motion C-616 Servo (4 G 35,00 + (2 x 1,50))	31.80	1620.00	1990.00
215791	DESCAPUR motion C-616 Servo (4 G 50,00 + (2 x 1,50))	35.50	2250.00	2880.00

Packaging

cut to desired length