

DESCAFLEX motion C-606 UL Servo

6.00 mm² - 300,00 mm²

Extra flexible drag chain Motor cable PVC 0,6/1 kV, shielded, UL 10107 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. 180 m/min, acceleration max. 10 m/s², horizontal chain length max. 15 m.

Construction

Extra flexible bare copper conductors acc. to IEC 60228, class 6
Insulation PVC (and Polyolefin)
Core colour black resp. green-yellow
Non-woven tape
Shielded by a tinned copper braid, coverage ca. 85 %
Non-woven tape
Sheath PVC black, adhesions-free

Technical Properties

Rated voltage U₀/U 600 / 1000 V
Test voltage 4000 V
Insulation resistance 20 MOhm x km
Operating temperature - 30°C ... + 90°C
- static installation - 40°C ... + 90°C
Minimum bending radius 6 x cable diameter

Special Characteristics

The cables are largely oil resistant. They are flame retardant according to IEC 60332-1, UL VW-1 and CSA. The PVC 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 10107 90°C 600 V
CSA AWM I/II A/B 90°C 600 V FT1

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
- Conductor insulation black (L)				
222964	DESCAFLEX motion C-606 Servo (1 x 6,00) L	7.50	81.00	125.00
222966	DESCAFLEX motion C-606 Servo (1 x 10,00) L	8.80	128.00	185.00
222968	DESCAFLEX motion C-606 Servo (1 x 16,00) L	10.20	190.00	255.00
222970	DESCAFLEX motion C-606 Servo (1 x 25,00) L	12.00	280.00	370.00
222972	DESCAFLEX motion C-606 Servo (1 x 35,00) L	13.80	385.00	500.00
222974	DESCAFLEX motion C-606 Servo (1 x 50,00) L	15.60	540.00	685.00
222976	DESCAFLEX motion C-606 Servo (1 x 70,00) L	17.40	720.00	875.00
222978	DESCAFLEX motion C-606 Servo (1 x 95,00) L	20.70	990.00	1210.00
222980	DESCAFLEX motion C-606 Servo (1 x 120,00) L	23.80	1320.00	1490.00
222982	DESCAFLEX motion C-606 Servo (1 x 150,00) L	25.00	1570.00	1940.00
222984	DESCAFLEX motion C-606 Servo (1 x 185,00) L	26.80	1930.00	2610.00
222986	DESCAFLEX motion C-606 Servo (1 x 240,00) L	30.50	2540.00	3360.00
222988	DESCAFLEX motion C-606 Servo (1 x 300,00) L	36.00	3130.00	4070.00
- Conductor insulation green-yellow (PE)				
222965	DESCAFLEX motion C-606 Servo (1 x 6,00) PE	7.50	81.00	125.00
222967	DESCAFLEX motion C-606 Servo (1 x 10,00) PE	8.80	128.00	185.00
222969	DESCAFLEX motion C-606 Servo (1 x 16,00) PE	10.20	190.00	255.00
222971	DESCAFLEX motion C-606 Servo (1 x 25,00) PE	12.00	280.00	370.00
222973	DESCAFLEX motion C-606 Servo (1 x 35,00) PE	13.80	385.00	500.00
222975	DESCAFLEX motion C-606 Servo (1 x 50,00) PE	15.60	540.00	685.00
222977	DESCAFLEX motion C-606 Servo (1 x 70,00) PE	17.40	720.00	875.00
222979	DESCAFLEX motion C-606 Servo (1 x 95,00) PE	20.70	990.00	1210.00
222981	DESCAFLEX motion C-606 Servo (1 x 120,00) PE	23.80	1320.00	1490.00
222983	DESCAFLEX motion C-606 Servo (1 x 150,00) PE	25.00	1570.00	1940.00
222985	DESCAFLEX motion C-606 Servo (1 x 185,00) PE	26.80	1930.00	2610.00
222987	DESCAFLEX motion C-606 Servo (1 x 240,00) PE	30.50	2540.00	3360.00
222989	DESCAFLEX motion C-606 Servo (1 x 300,00) PE	36.00	3130.00	4070.00

Packaging

cut to desired length