

CABLES CONNECT

Drag chain cables | böhmflex Chain PUR-HF UL/CSA



DESCRIPTION

UL/CSA-approved drag chain cable for use in machine and tool construction, in robotics and on other permanently moving machine parts; for permanently flexible application with free movement without tensile stress and without forced movement in dry, damp and wet rooms as well as outdoors.

TECHNICAL ATTRIBUTES

Standards	UL/CSA - cURus 1.000 V, 80 °C
Conductor material	CU, bare
Conductor type	very flexible
Conductor standard	DIN VDE 0295/IEC 60228
Conductor category	6
Core insulation	special-PP
Core colours	DIN VDE 0293 black, number-coded, GN/YE-protection conductor
Core structure	stranded
Outer sheath	pur
Outer sheath colour	grey
Temperature range min., mobile operation	- 40 °C
Temperature range max., mobile operation	+ 80 °C

FEATURES

- halogen-free VDE 0472-815
- flame-retardant IEC 60332-1-2/VDE 0482-332-1-2
- UV-resistant DIN EN ISO 4892-2
- oil-resistant EN 50363-10-2/VDE 0207-363-10-2
- weather-resistant DIN EN ISO 4892-2

Temperature range min., fixed installation	- 50 °C
Temperature range max., fixed installation	+ 80 °C
Operating temperature at conductor max.	+ 80 °C
Nominal voltage U_o/U	0,6/1 kV
Test voltage (core/core)	3.000 V
Current carrying capacity	DIN VDE
Driving speed	self supporting: max. 10 m/s, gliding: max. 5/s
Travelling distance	max. 50 m
Speed	max. 20 m/s ²
Bending cycles	> 5 - 10 Mio.
Minimum bending radius, mobile operation	5 x Kabel-Ø
Minimum bending radius, fixed operation	3 x Kabel-Ø

Item-No.	Item description	Weight ca. [kg]	Cu-weight [kg/km]	Outer-Ø ca. [mm]
00442002	böhmflex Chain PUR-HF UL/CSA 3 G 0,5 gy	39,00	14,40	5,40
00442003	böhmflex Chain PUR-HF UL/CSA 5 G 0,5 gy	55,00	24,00	6,40
00442004	böhmflex Chain PUR-HF UL/CSA 7 G 0,5 gy	78,00	33,60	7,80
00442005	böhmflex Chain PUR-HF UL/CSA 12 G 0,5 gy	121,00	57,60	9,20
00442006	böhmflex Chain PUR-HF UL/CSA 18 G 0,5 gy	172,00	86,40	11,00

Item-No.	Item description	Weight ca. [kg]	Cu-weight [kg/km]	Outer-Ø ca. [mm]
00442007	böhmflex Chain PUR-HF UL/CSA 25 G 0,5 gy	245,00	120,00	13,00
00442008	böhmflex Chain PUR-HF UL/CSA 2 x 0,75 gy	39,00	14,40	5,40
00442009	böhmflex Chain PUR-HF UL/CSA 3 G 0,75 gy	60,00	28,80	6,30
00442010	böhmflex Chain PUR-HF UL/CSA 4 G 0,75 gy	49,00	21,60	5,80
00442011	böhmflex Chain PUR-HF UL/CSA 5 G 0,75 gy	72,00	36,00	7,00

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00442012	böhmflex Chain PUR-HF UL/CSA 7 G 0,75 gy	103,00	50,40	8,50
00442013	böhmflex Chain PUR-HF UL/CSA 12 G 0,75 gy	163,00	86,40	10,00
00442014	böhmflex Chain PUR-HF UL/CSA 18 G 0,75 gy	233,00	129,60	12,20
00442015	böhmflex Chain PUR-HF UL/CSA 25 G 0,75 gy	338,00	180,00	14,40
00442016	böhmflex Chain PUR-HF UL/CSA 3 G 1 gy	60,00	28,80	6,40
00442017	böhmflex Chain PUR-HF UL/CSA 4 G 1 gy	73,00	38,40	6,90
00442018	böhmflex Chain PUR-HF UL/CSA 5 G 1 gy	92,00	48,00	7,90
00442019	böhmflex Chain PUR-HF UL/CSA 7 G 1 gy	129,00	67,20	9,50
00442020	böhmflex Chain PUR-HF UL/CSA 12 G 1 gy	202,00	115,20	11,40
00442021	böhmflex Chain PUR-HF UL/CSA 18 G 1 gy	296,00	172,80	13,70
00442022	böhmflex Chain PUR-HF UL/CSA 25 G 1 gy	426,00	240,00	16,40
00442023	böhmflex Chain PUR-HF UL/CSA 3 G 1,5 gy	78,00	43,20	7,00
00442024	böhmflex Chain PUR-HF UL/CSA 4 G 1,5 gy	100,00	57,60	7,80
00442025	böhmflex Chain PUR-HF UL/CSA 5 G 1,5 gy	122,00	72,00	8,90
00442026	böhmflex Chain PUR-HF UL/CSA 7 G 1,5 gy	178,00	100,80	10,80

Item-No.	Item description	Weight ca. [kg]	Cu-weight [kg/km]	Outer-Ø ca. [mm]
00442027	böhmflex Chain PUR-HF UL/CSA 12 G 1,5 gy	276,00	172,80	12,70
00442028	böhmflex Chain PUR-HF UL/CSA 18 G 1,5 gy	405,00	259,20	15,50
00442029	böhmflex Chain PUR-HF UL/CSA 25 G 1,5 gy	580,00	260,00	18,50
00442030	böhmflex Chain PUR-HF UL/CSA 3 G 2,5 gy	122,00	72,00	8,50
00442031	böhmflex Chain PUR-HF UL/CSA 4 G 2,5 gy	154,00	96,00	9,40
00442032	böhmflex Chain PUR-HF UL/CSA 5 G 2,5 gy	192,00	120,00	10,70
00442033	böhmflex Chain PUR-HF UL/CSA 7 G 2,5 gy	272,00	168,00	12,90
00442034	böhmflex Chain PUR-HF UL/CSA 12 G 2,5 gy	393,00	288,00	15,50
00442035	böhmflex Chain PUR-HF UL/CSA 18 G 2,5 gy	628,00	432,00	18,70
00442036	böhmflex Chain PUR-HF UL/CSA 25 G 2,5 gy	903,00	600,00	22,50
00442037	böhmflex Chain PUR-HF UL/CSA 4 G 4 gy	228,00	153,60	11,10
00442038	böhmflex Chain PUR-HF UL/CSA 4 G 6 gy	339,00	230,40	13,50
00442039	böhmflex Chain PUR-HF UL/CSA 4 G 10 gy	534,00	384,00	16,40
00442040	böhmflex Chain PUR-HF UL/CSA 4 G 16 gy	832,00	614,40	20,20