

CABLES CONNECT

Drag chain cables | böhmflex Chain C-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
Screening	Cu, tinned, opt. coverage approx. 85 %
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 U₀/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	7,5 x cable-Ø
Minimum bending radius, fixed installation	4 x cable-Ø

Item-No.	Item description	Weight ca. [kg]	Cu-weight [kg/km]	Outer-Ø ca. [mm]
00488002	böhmflex Chain C-PUR-HF UL/CSA 4 G 0,5 gy	65,00	35,20	6,40
00488003	böhmflex Chain C-PUR-HF UL/CSA 7 G 0,5 gy	99,00	59,10	8,40
00488004	böhmflex Chain C-PUR-HF UL/CSA 18 G 0,5 gy	204,00	119,90	11,80
00488005	böhmflex Chain C-PUR-HF UL/CSA 25 G 0,5 gy	286,00	179,60	14,00
00488006	böhmflex Chain C-PUR-HF UL/CSA 2 x 0,75 gy	52,00	30,40	6,00

Item-No.	Item description	Weight ca. [kg]	Cu-weight [kg/km]	Outer-Ø ca. [mm]
00488007	böhmflex Chain C-PUR-HF UL/CSA 3 G 0,75 gy	66,00	37,70	6,40
00488008	böhmflex Chain C-PUR-HF UL/CSA 4 G 0,75 gy	77,00	48,00	6,90
00488009	böhmflex Chain C-PUR-HF UL/CSA 7 G 0,75 gy	129,00	79,20	9,30
00488010	böhmflex Chain C-PUR-HF UL/CSA 12 G 0,75 gy	185,00	119,90	10,80
00488011	böhmflex Chain C-PUR-HF UL/CSA 18 G 0,75 gy	261,00	167,90	12,80

CABLES CONNECT

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

Item-No.	Item description	Weight ca. [kg]	Cu-weight [kg/km]	Outer-Ø ca. [mm]	Item-No.	Item description	Weight ca. [kg]	Cu-weight [kg/km]	Outer-Ø ca. [mm]
00488012	böhmflex Chain C-PUR-HF UL/CSA 25 G 0,75 gy	375,00	248,10	15,40	00488022	böhmflex Chain C-PUR-HF UL/CSA 12 G 1,5 gy	323,00	216,00	13,50
00488013	böhmflex Chain C-PUR-HF UL/CSA 2 x 1 gy	65,00	35,30	6,50	00488023	böhmflex Chain C-PUR-HF UL/CSA 18 G 1,5 gy	455,00	327,40	16,50
00488014	böhmflex Chain C-PUR-HF UL/CSA 3 G 1 gy	75,00	48,00	7,00	00488024	böhmflex Chain C-PUR-HF UL/CSA 25 G 1,5 gy	620,00	445,30	19,50
00488015	böhmflex Chain C-PUR-HF UL/CSA 4 G 1 gy	97,00	60,70	7,70	00488025	böhmflex Chain C-PUR-HF UL/CSA 4 G 2,5 gy	177,00	124,80	10,00
00488016	böhmflex Chain C-PUR-HF UL/CSA 7 G 1 gy	150,00	95,90	10,10	00488026	böhmflex Chain C-PUR-HF UL/CSA 7 G 2,5 gy	301,00	227,70	13,90
00488017	böhmflex Chain C-PUR-HF UL/CSA 18 G 1 gy	343,00	232,60	14,70	00488027	böhmflex Chain C-PUR-HF UL/CSA 25 G 2,5 gy	981,00	702,20	23,50
00488018	böhmflex Chain C-PUR-HF UL/CSA 2 x 1,5 gy	76,00	47,90	7,10	00488028	böhmflex Chain C-PUR-HF UL/CSA 4 G 4 gy	448,00	187,20	13,90
00488019	böhmflex Chain C-PUR-HF UL/CSA 3 G 1,5 gy	100,00	65,60	7,80	00488029	böhmflex Chain C-PUR-HF UL/CSA 4 G 6 gy	636,00	290,10	15,60
00488020	böhmflex Chain C-PUR-HF UL/CSA 4 G 1,5 gy	121,00	83,10	8,40	00488030	böhmflex Chain C-PUR-HF UL/CSA 4 G 10 gy	1052,00	452,20	20,00
00488021	böhmflex Chain C-PUR-HF UL/CSA 7 G 1,5 gy	199,00	134,30	11,50	00488031	böhmflex Chain C-PUR-HF UL/CSA 4 G 16 gy	1386,00	705,40	23,10