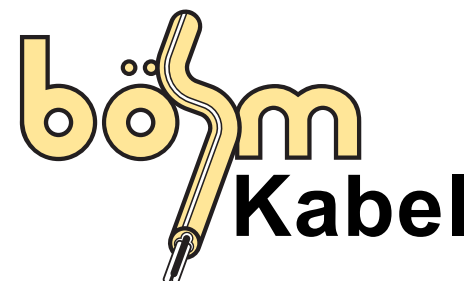


CABLES CONNECT



Drag chain cables

böhmmflex Chain
UL/CSA



Solutions



Drag chain cables | böhmflex Chain

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.

böhmflex Chain PUR-HF UL/CSA



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
Temperature range min., fixed installation	- 50 °C
Temperature range max., fixed installation	+ 80 °C
Operating temperature at conductor max.	+ 80 °C
Nominal voltage U ₀ /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

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

böhmflex Chain C-PUR-HF UL/CSA



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
Temperature range min., fixed installation	- 50 °C
Temperature range max., fixed installation	+ 80 °C
Operating temperature at conductor max.	+ 80 °C
Nominal voltage U ₀ /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

böhmflex | Chain PUR-HF UL/CSA

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 gr	39,00	14,40	5,40
00442003	böhmflex Chain PUR-HF UL/CSA 5 G 0,5 gr	55,00	24,00	6,40
00442004	böhmflex Chain PUR-HF UL/CSA 7 G 0,5 gr	78,00	33,60	7,80
00442005	böhmflex Chain PUR-HF UL/CSA 12 G 0,5 gr	121,00	57,60	9,20
00442006	böhmflex Chain PUR-HF UL/CSA 18 G 0,5 gr	172,00	86,40	11,00
00442007	böhmflex Chain PUR-HF UL/CSA 25 G 0,5 gr	245,00	120,00	13,00
00442008	böhmflex Chain PUR-HF UL/CSA 2 x 0,75 gr	39,00	14,40	5,40
00442009	böhmflex Chain PUR-HF UL/CSA 3 G 0,75 gr	60,00	28,80	6,30
00442010	böhmflex Chain PUR-HF UL/CSA 4 G 0,75 gr	49,00	21,60	5,80
00442011	böhmflex Chain PUR-HF UL/CSA 5 G 0,75 gr	72,00	36,00	7,00
00442012	böhmflex Chain PUR-HF UL/CSA 7 G 0,75 gr	103,00	50,40	8,50
00442013	böhmflex Chain PUR-HF UL/CSA 12 G 0,75 gr	163,00	86,40	10,00
00442014	böhmflex Chain PUR-HF UL/CSA 18 G 0,75 gr	233,00	129,60	12,20
00442015	böhmflex Chain PUR-HF UL/CSA 25 G 0,75 gr	338,00	180,00	14,40
00442016	böhmflex Chain PUR-HF UL/CSA 3 G 1 gr	60,00	28,80	6,40
00442017	böhmflex Chain PUR-HF UL/CSA 4 G 1 gr	73,00	38,40	6,90
00442018	böhmflex Chain PUR-HF UL/CSA 5 G 1 gr	92,00	48,00	7,90
00442019	böhmflex Chain PUR-HF UL/CSA 7 G 1 gr	129,00	67,20	9,50
00442020	böhmflex Chain PUR-HF UL/CSA 12 G 1 gr	202,00	115,20	11,40
00442021	böhmflex Chain PUR-HF UL/CSA 18 G 1 gr	296,00	172,80	13,70
00442022	böhmflex Chain PUR-HF UL/CSA 25 G 1 gr	426,00	240,00	16,40
00442023	böhmflex Chain PUR-HF UL/CSA 3 G 1,5 gr	78,00	43,20	7,00
00442024	böhmflex Chain PUR-HF UL/CSA 4 G 1,5 gr	100,00	57,60	7,80
00442025	böhmflex Chain PUR-HF UL/CSA 5 G 1,5 gr	122,00	72,00	8,90
00442026	böhmflex Chain PUR-HF UL/CSA 7 G 1,5 gr	178,00	100,80	10,80
00442027	böhmflex Chain PUR-HF UL/CSA 12 G 1,5 gr	276,00	172,80	12,70
00442028	böhmflex Chain PUR-HF UL/CSA 18 G 1,5 gr	405,00	259,20	15,50
00442029	böhmflex Chain PUR-HF UL/CSA 25 G 1,5 gr	580,00	260,00	18,50
00442030	böhmflex Chain PUR-HF UL/CSA 3 G 2,5 gr	122,00	72,00	8,50
00442031	böhmflex Chain PUR-HF UL/CSA 4 G 2,5 gr	154,00	96,00	9,40
00442032	böhmflex Chain PUR-HF UL/CSA 5 G 2,5 gr	192,00	120,00	10,70
00442033	böhmflex Chain PUR-HF UL/CSA 7 G 2,5 gr	272,00	168,00	12,90
00442034	böhmflex Chain PUR-HF UL/CSA 12 G 2,5 gr	393,00	288,00	15,50
00442035	böhmflex Chain PUR-HF UL/CSA 18 G 2,5 gr	628,00	432,00	18,70
00442036	böhmflex Chain PUR-HF UL/CSA 25 G 2,5 gr	903,00	600,00	22,50
00442037	böhmflex Chain PUR-HF UL/CSA 4 G 4 gr	228,00	153,60	11,10
00442038	böhmflex Chain PUR-HF UL/CSA 4 G 6 gr	339,00	230,40	13,50
00442039	böhmflex Chain PUR-HF UL/CSA 4 G 10 gr	534,00	384,00	16,40
00442040	böhmflex Chain PUR-HF UL/CSA 4 G 16 gr	832,00	614,40	20,20

böhm böhmflex | Chain C-PUR-HF UL/CSA

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 gr	65,00	35,20	6,40
00488003	böhmflex Chain C-PUR-HF UL/CSA 7 G 0,5 gr	99,00	59,10	8,40
00488004	böhmflex Chain C-PUR-HF UL/CSA 18 G 0,5 gr	204,00	119,90	11,80
00488005	böhmflex Chain C-PUR-HF UL/CSA 25 G 0,5 gr	286,00	179,60	14,00
00488006	böhmflex Chain C-PUR-HF UL/CSA 2 x 0,75 gr	52,00	30,40	6,00
00488007	böhmflex Chain C-PUR-HF UL/CSA 3 G 0,75 gr	66,00	37,70	6,40
00488008	böhmflex Chain C-PUR-HF UL/CSA 4 G 0,75 gr	77,00	48,00	6,90
00488009	böhmflex Chain C-PUR-HF UL/CSA 7 G 0,75 gr	129,00	79,20	9,30
00488010	böhmflex Chain C-PUR-HF UL/CSA 12 G 0,75 gr	185,00	119,90	10,80
00488011	böhmflex Chain C-PUR-HF UL/CSA 18 G 0,75 gr	261,00	167,90	12,80
00488012	böhmflex Chain C-PUR-HF UL/CSA 25 G 0,75 gr	375,00	248,10	15,40
00488013	böhmflex Chain C-PUR-HF UL/CSA 2 x 1 gr	65,00	35,30	6,50
00488014	böhmflex Chain C-PUR-HF UL/CSA 3 G 1 gr	75,00	48,00	7,00
00488015	böhmflex Chain C-PUR-HF UL/CSA 4 G 1 gr	97,00	60,70	7,70
00488016	böhmflex Chain C-PUR-HF UL/CSA 7 G 1 gr	150,00	95,90	10,10
00488017	böhmflex Chain C-PUR-HF UL/CSA 18 G 1 gr	343,00	232,60	14,70
00488018	böhmflex Chain C-PUR-HF UL/CSA 2 x 1,5 gr	76,00	47,90	7,10
00488019	böhmflex Chain C-PUR-HF UL/CSA 3 G 1,5 gr	100,00	65,60	7,80
00488020	böhmflex Chain C-PUR-HF UL/CSA 4 G 1,5 gr	121,00	83,10	8,40

00488021	böhmflex Chain C-PUR-HF UL/CSA 7 G 1,5 gr	199,00	134,30	11,50
00488022	böhmflex Chain C-PUR-HF UL/CSA 12 G 1,5 gr	323,00	216,00	13,50
00488023	böhmflex Chain C-PUR-HF UL/CSA 18 G 1,5 gr	455,00	327,40	16,50
00488024	böhmflex Chain C-PUR-HF UL/CSA 25 G 1,5 gr	620,00	445,30	19,50
00488025	böhmflex Chain C-PUR-HF UL/CSA 4 G 2,5 gr	177,00	124,80	10,00
00488026	böhmflex Chain C-PUR-HF UL/CSA 7 G 2,5 gr	301,00	227,70	13,90
00488027	böhmflex Chain C-PUR-HF UL/CSA 25 G 2,5 gr	981,00	702,20	23,50
00488028	böhmflex Chain C-PUR-HF UL/CSA 4 G 4 gr	448,00	187,20	13,90
00488029	böhmflex Chain C-PUR-HF UL/CSA 4 G 6 gr	636,00	290,10	15,60
00488030	böhmflex Chain C-PUR-HF UL/CSA 4 G 10 gr	1052,00	452,20	20,00
00488031	böhmflex Chain C-PUR-HF UL/CSA 4 G 16 gr	1386,00	705,40	23,10

Our company | böhm Kabel

böhm Kabel – Your cable competence in a world of connections.

We are a medium-sized family-owned company based in Iserlohn (Germany) with a subsidiary in Zwingen (Switzerland). As a worldwide distributor of cables, we offer our customers a broad and varied product portfolio that meets national and international standards.

Our recipe for success? A mix of tradition and innovation. Our modern logistics centres, equipped with state-of-the-art high-bay platforms and cutting machinery, redefine the standard for innovative logistics in the digital age. Our focus is not only on the development and realisation of customer-specific logistics solutions, but also on our flexible service DNA.

That is just the beginning. We are driven by passion, not only to supply cables and wires, but also for taking responsibility and making a long-term positive impact: with care for the environment and the societies we interact with, and for our team, the source of our successes. Our vision: to continue improving and create lasting connections.

Service worldwide | A partnership for your benefit

- Modern stock with an extensive range of cables and wires, stored in two logistics centres in Iserlohn
- Fast, reliable delivery & service worldwide
- Products & services from a single source
- Development, planning and realisation of your individual logistics concept
- Cutting every desired length, labeling
- Warehousing of your products
- Professional sales team with technical expertise
- We are your reliable and flexible partner, ensuring a close cooperation, fast solutions & short administrative paths

Product portfolio | Cables & wires

- Cables for Bus systems
- Coaxial cables
- Copper | Alu | Bronze | Iron ropes
- Data cables
- Data cables LAN
- Drag chain cables
- Flat- and round cables for festoon systems
- Flexible control cables
- Halogen-free cables
- Heat-resistant cables
- Industrial electronic cables
- Industrial PVC cables
- Installation cables
- Loudspeaker cables
- Marine | Navy | Offshore | Ship-to-Shore cables
- Medium voltage cables
- Optical fibres
- Photovoltaic cables
- Power cables 0,6/1 kV
- PUR cables
- PVC wiring and core cables
- Railway earthing cables
- Reeling cables
- Round cables with supporting element
- Rubber-insulated cables
- Standardised flexible control cables
- Switching wires
- Telephone cables
- Trailing cables
- Vehicle cables



Logistics & warehouse I | Kalthofer Feld



Logistics & warehouse II | Zollhaus



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