



Reeling cables - böhmflex Reeling PUR-HF

- halogen-free



Technical attributes

Standards	adapted to DIN VDE 0250
Conductor material	Cu, bare
Conductor type	flexible
Conductor standard	DIN VDE 0295/IEC 60228
Conductor category	5
Core insulation	Polyester
Core colours	DIN VDE 0293-308 ≤ 5 cores: colour-coded, with GN/YE-protection conductor; ≥ 6 cores: white, number-coded, with GN/YE-protection conductor
Core structure	cores stranded in layers
Inner sheath	Polyurethan
Anti-torsion braid	open support braiding of polyester threads
Outer sheath	Polyurethan
Outer sheath colour	black
Temperature range min., mobile operation	-40 °C
Temperature range max., mobile operation	+90 °C
Temperature range min., fixed installation	-50 °C
Temperature range max., fixed installation	+90 °C
Temperature at conductor max. suspension element	+90 °C
Nominal voltage U ₀ /U	central textile element 0,6/1 kV
Test voltage	2,5 kV
Current carrying capacity	acc. to DIN VDE
driving speed	in reeling operation up to max. 180 m/min. and in vertical reeling up to max. 120 m/min.
Torsion	+/- 50 °/m
Tensile load	ohne Tragorgan max. 25 N/mm ²
Minimum bending radius mobile operation	6 x cable-Ø
Minimum bending radius, fixed installation	6 x cable-Ø

Description

As a halogen-free reeling cable for heavy equipment such as cable reels (also vertical reel operation), hoists, transport equipment, mobile engines, railway engines and agricultural equipment for extraordinary mechanical stresses in dry, damp and wet rooms as well as outdoors.

Note

- halogen-free
- UV-resistant
- flame-retardant IEC 60332-1
- oil-resistant EN 60811-404

Product table



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product number	product name	Weight ca. [kg]	Cu-weight [kg_km]	Outer-Ø ca. [mm]	Outer sheath colour
03312001	böhmflex Reeling PUR-HF-J 0,6/1 kV 4x1,5 bk	150,00	57,60	10,00-11,20 mm	black
03312002	böhmflex Reeling PUR-HF-J 0,6/1 kV 5x1,5 bk	172,00	72,00	10,60-11,70 mm	black
03312003	böhmflex Reeling PUR-HF-J 0,6/1 kV 7x1,5 bk	225,00	100,80	12,00-14,00 mm	black
03312004	böhmflex Reeling PUR-HF-J 0,6/1 kV 12x1,5 bk	370,00	172,80	15,50-16,70 mm	black
03312005	böhmflex Reeling PUR-HF-J 0,6/1 kV 18x1,5 bk	475,00	230,40	16,60-18,10 mm	black
03312006	böhmflex Reeling PUR-HF-J 0,6/1 kV 24x1,5 bk	610,00	345,60	19,00-20,20 mm	black
03312007	böhmflex Reeling PUR-HF-J 0,6/1 kV 30x1,5 bk	740,00	432,00	21,00-22,50 mm	black
03312008	böhmflex Reeling PUR-HF-J 0,6/1 kV 42x1,5 bk	930,00	604,80	25,00-28,00 mm	black
03312009	böhmflex Reeling PUR-HF-J 0,6/1 kV 4x2,5 bk	220,00	96,00	11,10-12,20 mm	black
03312010	böhmflex Reeling PUR-HF-J 0,6/1 kV 5x2,5 bk	230,00	120,00	11,80-13,00 mm	black
03312011	böhmflex Reeling PUR-HF-J 0,6/1 kV 7x2,5 bk	340,00	168,00	13,40-14,70 mm	black
03312012	böhmflex Reeling PUR-HF-J 0,6/1 kV 12x2,5 bk	590,00	288,00	18,90-20,10 mm	black
03312013	böhmflex Reeling PUR-HF-J 0,6/1 kV 18x2,5 bk	735,00	432,00	19,20-20,40 mm	black
03312015	böhmflex Reeling PUR-HF-J 0,6/1 kV 24x2,5 bk	925,00	576,00	21,50-23,00 mm	black
03312016	böhmflex Reeling PUR-HF-J 0,6/1 kV 30x2,5 bk	1100,00	720,00	24,40-26,00 mm	black
03312017	böhmflex Reeling PUR-HF-J 0,6/1 kV 36x2,5 bk	1400,00	864,00	27,40-29,00 mm	black
03312018	böhmflex Reeling PUR-HF-J 0,6/1 kV 4x4 bk	290,00	153,60	12,30-13,50 mm	black
03312024	böhmflex Reeling PUR-HF-J 0,6/1 kV 5x4 bk	340,00	192,00	13,30-14,50 mm	black
03312019	böhmflex Reeling PUR-HF-J 0,6/1 kV 4x6 bk	375,00	230,40	14,10-16,00 mm	black
03312025	böhmflex Reeling PUR-HF-J 0,6/1 kV 5x6 bk	490,00	288,00	16,40-17,60 mm	black
03312020	böhmflex Reeling PUR-HF-J 0,6/1 kV 4x10 bk	610,00	384,00	17,40-18,60 mm	black



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product number	product name	Weight ca. [kg]	Cu-weight [kg_km]	Outer-Ø ca. [mm]	Outer sheath colour
03312026	böhmflex Reeling PUR-HF-J 0,6/1 kV 5x10 bk	735,00	480,00	18,70-20,00 mm	black
03312021	böhmflex Reeling PUR-HF-J 0,6/1 kV 4x16 bk	860,00	614,40	20,00-21,40 mm	black
03312027	böhmflex Reeling PUR-HF-J 0,6/1 kV 5x16 bk	1050,00	768,00	21,70-23,70 mm	black
03312022	böhmflex Reeling PUR-HF-J 0,6/1 kV 4x25 bk	1250,00	960,00	23,50-25,00 mm	black
03312023	böhmflex Reeling PUR-HF-J 0,6/1 kV 4x35 bk	1785,00	1344,00	28,50-30,20 mm	black
03312014	böhmflex Reeling PUR-HF-J 19x2,5+(5x1,5)C bk	865,00	501,00	21,80-23,30 mm	black
03312028	böhmflex Reeling PUR-HF-J 4x16+2x(4x1,5)C bk	1175,00	779,00	24,00-26,30 mm	black