DRAG FLEX PUR-HF

Cable for trolley and conveyor systems

Cable structure

- Stranded bare copper conductor according to DIN VDE 0295 a IEC 60228 cl. 5
- Core insulation based on polyester
- Core color coding according to DIN VDE 0293-308, from 6 cores above black with repeated white numbering
- Multicore versions with central textile element
- Cores wrapped with textile tape
- Black PUR outer sheath
- Self-extinguishing and flame retardant PUR, according to IEC 60332-1-2
- Halogen-free and oil-resistant

Technical data

Special polyurethan cable according to DIN VDE 0250

- **Temperature at conductor** max.+90 °C
- **Temperature range**
  flexing from from -40 °C to +90 °C
  fixed from from -50 °C to +90 °C
- **Nominal voltage** U_O/U 0,6/1 kV
- **Test voltage** 2 500 V
- **Minimum bending radius** 6× cable diameter

Application

These power and control cables are suitable for very high mechanical requirements, frequent bending, especially for use in trolley systems, drag chains on moving parts of machines. The PUR outer sheath is resistant to ozone, radiation, low temperature, abrasion, climatic influences, oils, lipids, and petrol. The cables are suitable for installation in dry, damp, and wet environments as well as outdoors. These cables are not suitable for drum reeling applications. For these purposes we recommend cables DRUM-PUR-HF.

Remarks

Max. permissible travelling speed in cable trolleys 240 m/min.
During installation and operation the tensile stress cannot exceed 15N/mm².
CE = the product is conformed to Low Voltage Directive 2014/35/EU.
Conforms to RoHS.
Other types and versions available upon request.
For overview of suitable application see page T12.

Part No.	Number of cores × core cross section [mm²]	Approax. ∅ [mm]	Copper weight [kg/km]	Approax. cable weight [kg/km]
07870001	3 × 1,5	7,5	43,0	115,0
07870002	4 × 1,5	9,0	58,0	120,0
07870003	7 × 1,5	12,0	101,0	220,0
07870004	12 × 1,5	15,0	173,0	320,0
07870005	18 × 1,5	16,0	259,0	380,0
07870006	24 × 1,5	17,0	346,0	500,0
07870007	30 × 1,5	21,0	432,0	680,0
07870008	3 × 2,5	9,0	72,0	130,0
07870009	4 × 2,5	9,5	96,0	160,0
07870010	5 × 2,5	10,4	120,0	180,0
07870011	7 × 2,5	12,0	168,0	250,0
07870012	12 × 2,5	17,0	288,0	470,0
07870013	18 × 2,5	17,5	432,0	580,0
07870014	24 × 2,5	20,0	576,0	770,0
07870015	30 × 2,5	26,5	720,0	1080,0
07870016	4 × 4	11,0	154,0	230,0
07870017	5 × 4	12,0	192,0	290,0
07870018	4 × 6	12,5	230,0	320,0
07870019	5 × 6	14,0	288,0	420,0

Part No.	Number of cores × core cross section [mm²]	Approax. ∅ [mm]	Copper weight [kg/km]	Approax. cable weight [kg/km]
07870020	4 × 10	16,0	384,0	520,0
07870021	5 × 10	17,0	480,0	630,0
07870022	4 × 16	18,5	614,0	750,0
07870023	5 × 16	20,0	768,0	930,0
07870024	4 × 25	23,5	960,0	1160,0
07870025	5 × 25	26,0	1200,0	1380,0
07870026	4 × 35	27,5	1344,0	1660,0
07870027	4 × 50	32,5	1920,0	2400,0
07870030	1 × 16	9,5	154,0	170,0
07870031	1 × 25	11,0	240,0	270,0
07870032	1 × 35	13,0	336,0	380,0
07870033	1 × 50	15,0	480,0	530,0
07870034	1 × 70	17,0	672,0	740,0
07870035	1 × 95	19,0	912,0	940,0
07870036	1 × 120	20,5	1152,0	1200,0
07870037	1 × 150	22,5	1440,0	1490,0
07870038	1 × 185	25,5	1776,0	1830,0
07870039	1 × 240	24,0	2304,0	2310,0