



USE OF CABLE

power and control cable for very high mechanical requirements, frequently bendings, especially for use in trolley systems, drag chains on moving parts of machines, conveyor facilities. Suitable for dry, humid and wet rooms and for outdoor use.



SPECIAL FEATURES

- free from lacquer damaging substances and silicone (during production)
- halogen-free
- also available on request for permanent use in water (no drinking water) up to 50 m diving depth

REMARKS

- conform to RoHS
- conform to 2014/35/EU-Guideline ("Low-Voltage Directive") CE
- We are pleased to produce special versions, other dimensions, core and jacket colours on request.

PRODUCT INFORMATION

Conductor material:	Bare copper strand
Conductor class:	Acc. to DIN VDE 0295 class 5 resp. IEC 60228 cl. 5
Core insulation:	Based on polyester
Core identification:	Acc. to DIN 0293-308 up to 5 wires coloured, from 6 wires white with black numerals with or without GNYE
Stranding:	Cores stranded in layers around central element
Outer sheath:	PUR, halogen-free
Sheath colour:	Black
Rated voltage:	U ₀ /U: 0,6/1 kV
Testing voltage:	2,5 kV
Current-carrying-capacity:	Acc. to DIN VDE, see table
Min. bending radius fixed:	6 x d
Min. bending radius moved:	7,5 x d
Operat. temp. fixed min/max:	-50 °C / +90 °C
Operat. temp. moved min/max:	-40 °C / +90 °C
Temp. at conductor:	+90 °C
Burning behavior:	Similar to IEC 60332-1-2
Resistant to oil:	Acc. to EN 60811-404
Tensile strength:	On the conductor max. 15 N / mm ²
Standard:	Similar to DIN VDE 0250

ITEM OVERVIEW

Product No.	Dimension [n x mm ²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3004501	1 X 16	8,5 - 9,5	154,00	170,00	black	V1: FESTOONTEC PUR-HF-O
3004502	1 X 25	9,9 - 11,1	240,00	270,00	black	V1: FESTOONTEC PUR-HF-O
3004503	1 X 35	11,7 - 12,9	336,00	380,00	black	V1: FESTOONTEC PUR-HF-O
3004504	1 X 50	13,9 - 15,1	480,00	530,00	black	V1: FESTOONTEC PUR-HF-O
3004505	1 X 70	16,2 - 17,4	672,00	740,00	black	V1: FESTOONTEC PUR-HF-O
3004506	1 X 95	17,9 - 19,2	912,00	940,00	black	V1: FESTOONTEC PUR-HF-O
3004507	1 X 120	20,2 - 21,5	1152,00	1200,00	black	V1: FESTOONTEC PUR-HF-O
3004508	1 X 150	21,8 - 23,2	1440,00	1490,00	black	V1: FESTOONTEC PUR-HF-O
3004509	1 X 185	24,3 - 25,7	1776,00	1830,00	black	V1: FESTOONTEC PUR-HF-O
3004510	1 X 240	27,7 - 29,3	2304,00	2310,00	black	V1: FESTOONTEC PUR-HF-O
3004511	12 X 2,5	16,5 - 17,7	288,00	470,00	black	V1: FESTOONTEC PUR-HF-O
3004512	3 G 1,5	6,5 - 7,5	43,00	115,00	black	V2: FESTOONTEC PUR-HF-J
3004513	4 G 1,5	8,1 - 9,1	58,00	120,00	black	V2: FESTOONTEC PUR-HF-J

Product No.	Dimension [n x mm²]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3004514	5 G 1,5	8,0 - 9,0	81,00	100,00	black	V2: FESTOONTEC PUR-HF -J
3004515	7 G 1,5	9,0 - 10,0	101,00	220,00	black	V2: FESTOONTEC PUR-HF -J
3004516	12 G 1,5	14,3 - 15,5	173,00	320,00	black	V2: FESTOONTEC PUR-HF -J
3004517	18 G 1,5	14,5 - 15,7	259,00	380,00	black	V2: FESTOONTEC PUR-HF -J
3004518	24 G 1,5	16,5 - 17,8	346,00	500,00	black	V2: FESTOONTEC PUR-HF -J
3004519	30 G 1,5	19,6 - 21,0	432,00	680,00	black	V2: FESTOONTEC PUR-HF -J
3004546	36 G 1,5	19,9 - 22,9	518,40	820,00	black	V2: FESTOONTEC PUR-HF -J
3004520	3 G 2,5	8,5 - 9,5	72,00	130,00	black	V2: FESTOONTEC PUR-HF -J
3004521	4 G 2,5	9,2 - 10,2	96,00	160,00	black	V2: FESTOONTEC PUR-HF -J
3004522	5 G 2,5	9,8 - 11,0	120,00	180,00	black	V2: FESTOONTEC PUR-HF -J
3004523	7 G 2,5	11,5 - 12,7	168,00	250,00	black	V2: FESTOONTEC PUR-HF -J
3004524	12 G 2,5	16,5 - 17,7	288,00	470,00	black	V2: FESTOONTEC PUR-HF -J
3004525	18 G 2,5	16,7 - 17,9	432,00	580,00	black	V2: FESTOONTEC PUR-HF -J
3004526	24 G 2,5	19,2 - 20,4	576,00	770,00	black	V2: FESTOONTEC PUR-HF -J
3004527	30 G 2,5	24,9 - 26,5	720,00	1080,00	black	V2: FESTOONTEC PUR-HF -J
3004528	4 G 4	10,3 - 11,5	154,00	230,00	black	V2: FESTOONTEC PUR-HF -J
3004529	5 G 4	11,6 - 12,7	192,00	290,00	black	V2: FESTOONTEC PUR-HF -J
3004530	4 G 6	12,1 - 13,2	231,00	320,00	black	V2: FESTOONTEC PUR-HF -J
3004531	5 G 6	14,0 - 15,2	288,00	420,00	black	V2: FESTOONTEC PUR-HF -J
3004532	4 G 10	15,0 - 16,2	384,00	520,00	black	V2: FESTOONTEC PUR-HF -J
3004533	5 G 10	16,2 - 17,5	480,00	630,00	black	V2: FESTOONTEC PUR-HF -J
3004534	4 G 16	17,7 - 18,9	614,00	750,00	black	V2: FESTOONTEC PUR-HF -J
3004535	5 G 16	19,4 - 20,6	768,00	930,00	black	V2: FESTOONTEC PUR-HF -J
3004536	4 G 25	21,1 - 22,5	960,00	1160,00	black	V2: FESTOONTEC PUR-HF -J
3004537	5 G 25	23,2 - 25,9	1200,00	1380,00	black	V2: FESTOONTEC PUR-HF -J
3004538	4 G 35	25,8 - 27,4	1344,00	1660,00	black	V2: FESTOONTEC PUR-HF -J
3004539	4 G 50	31,0 - 33,0	1920,00	2400,00	black	V2: FESTOONTEC PUR-HF -J
3004540	4 G 70	38,1 - 40,6	2688,00	3070,00	black	V2: FESTOONTEC PUR-HF -J
3004541	4 G 95	42,0 - 44,5	3648,00	4150,00	black	V2: FESTOONTEC PUR-HF -J