



## 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
- FESTOONTEC PUR-HF also available with shielded twisted pairs, see table
- 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
Inner sheath material:	PUR, only cables with 2, 3, 4 and 5 cores and cables with twisted pairs
Shield3:	Copper braid tinned, coverage ca. 85 %
Outer sheath:	PUR
Sheath colour:	Black
Rated voltage:	U <sub>0</sub> /U: 0,6/1 kV
Testing voltage:	2,5 kV
Current-carrying-capacity:	Acc. to DIN VDE, see Technical Guideline
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 <sup>2</sup>
Standard:	Similar to DIN VDE 0250

## ITEM OVERVIEW

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3004701	1 X 25	10,3 - 11,5	310,00	330,00	black	V1: FESTOONTEC C-PUR-HF -O
3004702	1 X 35	12,3 - 14,3	406,00	430,00	black	V1: FESTOONTEC C-PUR-HF -O
3004703	1 X 50	15,4 - 16,6	550,00	610,00	black	V1: FESTOONTEC C-PUR-HF -O
3004704	1 X 70	17,0 - 18,3	747,00	810,00	black	V1: FESTOONTEC C-PUR-HF -O
3004705	1 X 95	18,9 - 20,7	1012,00	1030,00	black	V1: FESTOONTEC C-PUR-HF -O
3004706	1 X 120	21,4 - 22,8	1306,00	1320,00	black	V1: FESTOONTEC C-PUR-HF -O
3004707	1 X 150	23,1 - 24,5	1613,00	1650,00	black	V1: FESTOONTEC C-PUR-HF -O
3004708	1 X 185	25,5 - 27,2	1903,00	2000,00	black	V1: FESTOONTEC C-PUR-HF -O
3004709	1 X 240	28,5 - 30,1	2474,00	2490,00	black	V1: FESTOONTEC C-PUR-HF -O
3004710	12 X 1	14,5 - 16,5	0,00	374,00	black	V1: FESTOONTEC C-PUR-HF -O
3004711	2 X 1,5	9,4 - 11,4	74,00	140,00	black	V1: FESTOONTEC C-PUR-HF -O

Product No.	Dimension [n x mm <sup>2</sup> ]	Outer-Ø [mm]	Cu-Index [kg/km]	Weight [kg/1.000]	sheath colour	Variant
3004712	12 X 2,5	17,4 - 18,6	370,00	530,00	black	V1: FESTOONTEC C-PUR-HF -O
3004713	4 X (2 X 1)	15,3 - 16,5	140,00	310,00	black	V1: FESTOONTEC C-PUR-HF -O
3004714	3 X (2 X 1,5)	16,5 - 17,8	153,00	360,00	black	V1: FESTOONTEC C-PUR-HF -O
3004715	4 X (2 X 1,5)	17,2 - 18,5	237,00	385,00	black	V1: FESTOONTEC C-PUR-HF -O
3004716	4 G 1,5	10,8 - 12,0	118,00	240,00	black	V2: FESTOONTEC C-PUR-HF -J
3004717	5 G 1,5	10,9 - 12,1	132,00	225,00	black	V2: FESTOONTEC C-PUR-HF -J
3004718	7 G 1,5	10,9 - 12,1	192,00	220,00	black	V2: FESTOONTEC C-PUR-HF -J
3004719	12 G 1,5	15,0 - 17,3	250,00	350,00	black	V2: FESTOONTEC C-PUR-HF -J
3004720	18 G 1,5	15,0 - 17,3	341,00	420,00	black	V2: FESTOONTEC C-PUR-HF -J
3004721	4 G 2,5	12,1 - 14,5	157,00	250,00	black	V2: FESTOONTEC C-PUR-HF -J
3004722	5 G 2,5	12,8 - 15,4	190,00	280,00	black	V2: FESTOONTEC C-PUR-HF -J
3004723	12 G 2,5	17,4 - 18,6	370,00	530,00	black	V2: FESTOONTEC C-PUR-HF -J
3004724	18 G 2,5	17,5 - 18,8	621,00	650,00	black	V2: FESTOONTEC C-PUR-HF -J
3004725	4 G 4	13,6 - 16,3	221,00	330,00	black	V2: FESTOONTEC C-PUR-HF -J
3004726	5 G 4	13,8 - 15,0	277,00	345,00	black	V2: FESTOONTEC C-PUR-HF -J
3004730	4 G 6	15,1 - 16,3	300,00	420,00	black	V2: FESTOONTEC C-PUR-HF -J
3004731	4 G 10	18,4 - 19,6	454,00	640,00	black	V2: FESTOONTEC C-PUR-HF -J
3004732	4 G 16	21,2 - 22,5	694,00	940,00	black	V2: FESTOONTEC C-PUR-HF -J
3004733	5 G 16	22,6 - 25,6	864,00	1149,00	black	V2: FESTOONTEC C-PUR-HF -J
3004734	4 G 25	24,5 - 26,2	1050,00	1370,00	black	V2: FESTOONTEC C-PUR-HF -J
3004735	4 G 35	29,6 - 32,3	1444,00	1880,00	black	V2: FESTOONTEC C-PUR-HF -J
3004736	4 G 50	35,1 - 37,6	2124,00	2550,00	black	V2: FESTOONTEC C-PUR-HF -J
3004727	3 X 25 + 3 G 4	23,3 - 25,3	980,00	1250,00	black	V2: FESTOONTEC C-PUR-HF -J
3004728	3 X 50 + 3 G 10	31,6 - 33,2	2100,00	2370,00	black	V2: FESTOONTEC C-PUR-HF -J
3004729	3 X 150 + 3 G 25	51,8 - 53,8	5724,60	6200,00	black	V2: FESTOONTEC C-PUR-HF -J
3004737	4 X (2 X 1) C	15,9 - 17,1	206,00	350,00	black	V3: FESTOONTEC PUR-HF -O
3004738	6 X (2 X 1) C	19,0 - 20,3	265,00	480,00	black	V3: FESTOONTEC PUR-HF -O
3004739	9 X (2 X 1,5) C	25,0	641,00	721,00	black	V3: FESTOONTEC PUR-HF -O
3004740	2 X (2 X 1,5) C	15,2 - 16,4	193,00	280,00	black	V3: FESTOONTEC PUR-HF -O
3004741	3 X (2 X 1,5) C	17,2 - 18,5	221,00	350,00	black	V3: FESTOONTEC PUR-HF -O
3004742	2 X (2 X 2,5) C	17,2 - 18,5	215,00	340,00	black	V3: FESTOONTEC PUR-HF -O
3004743	3 X (2 X 2,5) C	17,5 - 18,8	245,00	390,00	black	V3: FESTOONTEC PUR-HF -O