



HALLEY CABLES

BIRTFLEX 5511-C PUR

Control cables

PVC insulated, PUR (polyurethane) sheathed, screened cable



Construction:

- Conductor : flexible copper wires, plain; IEC 60228 Class 5, DIN EN 60228 Class 5.
- Insulation : PVC compound , TI2.
- Core identif. : according to DIN EN 50334 black cores with white numerals with green/yellow from 3 cores.
- Lay-up : cores laid up in layers of optimum pitch.
- Inner Sheath : PVC compound, RAL 7001, Grey.
- Screen : braid of tinned copper wires, 85% coverage.
- Outer sheath : PUR (polyurethane) compound, 11YM1.
- Sheath colour : RAL 7001, Grey (to be agreed upon the shade of grey).

Technical data and tests:

- Standard : HD 21.13 S1;
DIN VDE 0281-13;
VDE 0245-102;
DIN VDE 0282-10.
- Insulation resistance : min. 50 MΩ/km
- Rated voltage U₀/U : 300 / 500 V.
- Test voltage (50 Hz) : 2000 V.
- Temperature range : fixed : - 40° C ~ + 70° C;
mobile: - 5° C ~ + 70° C.
- Min. bending radius : fixed : 4 x D;
mobile: 10 x D.
- Flame retardance test : IEC 60332-1 & EN 50265-2-1.
- EMC : electromagnetic compatibility.

* Upon request this cable can be produced having a rated voltage of 0.6/1 kV.

* Upon request this cable can be made with 65% braid of tinned copper wires.

Applications:

These flexible PUR sheathed connecting cables are used more often in mechanical engineering for instrumentation and control equipment, for tooling machinery production lines and flexible applications; application which need free movement with low tensile load at heavy conditions, in dry, damp and wet places. These cables can be used at outdoor applications at fixed installations.





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DIMENSIONS

No. of Cores x Cross Section mm ²	Approx. Outer Diameter mm	Copper Weight Kg/km	Approx. Cable Weight Kg/km
3G0.50	7,2	38	65
4G0.50	7,9	45	85
5G0.50	8,3	50	95
7G0.50	8,8	70	120
12G0.50	11,2	100	170
18G0.50	13,2	135	260
21G0,50	13,9	160	300
25G0.50	15,4	190	340
3G0.75	7,9	45	90
4G0.75	8,4	56	100
5G0.75	9,0	70	115
7G0.75	9,7	85	140
12G0.75	11,9	135	210
18G0.75	14,5	170	320
21G0.75	15,4	220	385
25G0.75	16,6	270	450
3G1.0	8,2	56	100
4G1.0	8,7	68	115
5G1.0	9,5	80	135
7G1.0	10,3	110	155
12G1.0	13,0	150	260
18G1.0	15,6	220	390
21G1.0	16,2	245	450
25G1.0	17,4	325	510
3G1.5	8,9	75	125
4G1.5	9,7	89	145
5G1.5	10,5	109	175
7G1.5	13,3	135	215
12G1.5	14,3	240	350
18G1.5	17,3	300	520
21G1.5	18,0	385	615
25G1.5	19,4	445	700

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