



HALLEY CABLES

BIRTFLEX 5511 PUR

Control cables

PVC insulated, PUR (polyurethane) sheathed cable



Construction:

- Conductor : flexible copper wires, plain; IEC 60228 Class 5, DIN EN 60228 Class 5.
Insulation : PVC compound, TI2.
Core identification : 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.
Outer sheath : PUR (polyurethane) compound, 11YM1.
Sheath colour : RAL 7001, Grey (to be agreed upon the shade of grey).

Technical data and tests:

- Standards : HD 21.13 S1;
DIN VDE 0281-13;
VDE 0245-102;
DIN VDE 0282-10.
Insulation resistance : min. 50 M Ω /km.
Rated voltage U_0/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.

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.





HALLEY CABLES

BIRTFLEX 5511 PUR

Control cables

PVC insulated, PUR (polyurethane) sheathed cable

www.halleycables.com

DIMENSIONS

No. of Cores x Cross Section mm ²	Approx. Outer Diameter mm	Copper Weight Kg/km	Approx. Cable Weight Kg/km
2x0.50 -OZ	5,4	10	45
3G0.50	5.7	14	50
4G0.50	6,2	19	65
5G0.50	6.8	24	75
7G0.50	7,5	34	95
12G0.50	9.9	58	145
18G0.50	11,5	87	205
21G0.50	12,2	101	255
25G0.50	13.6	120	295
2x0.75 -OZ	5,8	14	55
3G0.75	6,1	22	65
4G0.75	6.8	29	80
5G0.75	7,4	36	95
7G0.75	8,3	50	120
12G0.75	10,6	86	195
18G0.75	12.9	130	290
25G0.75	15	180	330
21G0.75	13.5	151	330
2x1.0 -OZ	6,1	19	52
3G1.0	6.7	29	65
4G1.0	7,3	38	78
5G1.0	8,3	48	95
7G1.0	8.9	67	120
12G1.0	11.7	116	235
18G1.0	13.9	173	298
21G1.0	14.8	201	366
25G1.0	16.4	240	400
2x1.5 -OZ	7,0	29	75
3G1.5	7,4	43	95
4G1.5	8.4	58	115
5G1.5	9.1	72	145
7G1.5	10,0	101	190
12G1.5	13.2	174	320
18G1.5	15.8	260	460
21G1.5	16.6	302	550
25G1.5	18.6	360	620

BIRTFLEX 5511 PUR

