

# HELUCONTROL® BS-SY-JZ

flexible, number coded, light weight, steel wire braiding, meter marking



## TECHNICAL DATA

Special PVC control cable with reference to DIN VDE 0285-525-2-51 / DIN EN 50525-2-51

Temperature range	flexible -15°C to +70°C fixed -40°C to +80°C
Nominal voltage	AC U <sub>0</sub> /U 300/500 V
Test voltage core/core	2000 V
Breakdown voltage	4000 V
Minimum bending radius	flexible 20x Outer-Ø fixed 7,5x Outer-Ø

## CABLE STRUCTURE

- Bare copper conductor to DIN VDE 0295 cl. 5, fine wire, BS 6360 cl. 5, IEC 60228 cl. 5
- Core insulation of special PVC in reference to EN 50363-3 T12
- Black numbered cores according to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded together in layers with optimal lay length
- Inner sheath special PVC in reference to EN 50363-4-1 TM2
- Galvanized steel wire braid
- Outer sheath of special PVC compound in reference to EN 50363-4-1 TM2
- Outer sheath transparent
- With meter marking

## PROPERTIES

- Good oil and chemical resistance
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

## TESTS

- Flame retardant according to DIN 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2
- CPR-class: Eca

## APPLICATION

BS-SY-JZ Cables are used as interconnections for power and control applications within the following industries and applications: machine tool industry, plant installations, power stations and in data equipment.

CE= Product conforms with Low-Voltage Directive 2014/35/EU.

## NOTES

- G = with green/yellow conductor
- X = without green/yellow conductor (OZ)
- Cables can also be delivered with coloured cores as BS-SY-JB

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
11001339	2 x 0,75	7,2	14,4	72
11001340	3 G 0,75	7,6	21,6	82
11001341	4 G 0,75	8,1	28,8	98
11001342	5 G 0,75	8,8	36	112
11001343	7 G 0,75	9,4	50,4	139
11001345	12 G 0,75	11,9	86,4	228
11001347	18 G 0,75	13,8	129,6	312
11001349	25 G 0,75	16,3	180	436
11001351	34 G 0,75	18,1	244,8	556
11001357	2 x 1	7,7	19,2	83
11001358	3 G 1	8,1	28,8	97
11001359	4 G 1	8,7	38,4	115
11001360	5 G 1	9,4	48	132
11001361	7 G 1	10,1	67,2	166
11001363	12 G 1	12,9	115,2	274
11001365	18 G 1	14,9	172,8	379
11001367	25 G 1	17,7	360	531
11001368	34 G 1	19,7	489,6	679
11001374	2 x 1,5	8,4	28,8	102
11001375	3 G 1,5	8,8	43,2	119
11001376	4 G 1,5	9,5	57,6	145
11001377	5 G 1,5	10,4	72	166
11001378	7 G 1,5	11,1	100,8	200
11001380	12 G 1,5	14,3	172,8	354

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
11001382	18 G 1,5	16,6	259,2	495
11001384	25 G 1,5	19,8	360	696
11001385	34 G 1,5	22,1	489,6	894
11001391	2 x 2,5	9,5	48	138
11001392	3 G 2,5	10	72	165
11001393	4 G 2,5	10,9	96	203
11001394	5 G 2,5	11,9	120	234
11001395	7 G 2,5	12,8	168	301
11001397	12 G 2,5	16,7	288	512
11001399	18 G 2,5	19,5	432	723
11001401	25 G 2,5	23,3	600	1023
11001402	34 G 2,5	26,1	816	1327
11001406	2 x 4	11,1	76,8	199
11001407	3 G 4	11,8	115,2	243
11001408	4 G 4	12,9	153,6	300
11001409	5 G 4	14,1	192	344
11001410	7 G 4	15,2	268,8	458
11001411	2 x 6	12,7	115,2	271
11001412	3 G 6	13,5	172,8	332
11001413	4 G 6	14,8	230,4	416
11001414	5 G 6	16,3	288	481
11001416	2 x 10	15,5	192	414
11001417	3 G 10	16,4	288	524
11001418	4 G 10	18,1	384	658

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Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
11001419	5 G 10	20	480	766
11001421	2 x 16	18,5	307,2	600
11001422	3 G 16	19,6	460,8	689
11001423	4 G 16	21,7	614,4	887
11001424	5 G 16	24,1	768	1118
11001426	3 G 25	23,8	720	1019
11001427	4 G 25	26,4	960	1321
11001428	5 G 25	29,4	1200	1674

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
11001429	3 G 35	27,7	1008	1558
11001430	4 G 35	30,9	1344	1983
11001431	5 G 35	34,3	1680	2467
11001432	3 G 50	33,4	1440	2253
11001433	4 G 50	37,9	1920	3018
11001435	3 G 70	38,3	2016	3095
11001436	4 G 70	42,8	2688	3976