

YSY-JB

Flexible cables with steel wire braiding, color coded cores, transparent



Cable structure

- Stranded bare copper core according to DIN VDE 0295 and IEC 60228 cl. 5
- Core insulation of special PVC compound
- Cores color coded, green-yellow earth core in the outer layer (3 cores and more)
 - 2-cores: blue/brown
 - 3-cores: green-yellow/blue/brown
 - 4-cores: green-yellow/brown/black/grey
 - 5-cores: green-yellow/blue/brown/black/grey
- Cores stranded in layers with optimal lay-length
- Inner sheath of PVC
- Galvanized steel wire braiding
- Special transparent PVC outer sheath, extensively oil resistant
- PVC self-extinguishing and flame retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Special PVC flexible cable, requirements adapted to DIN VDE 0245, 0281, 0293, 0295
- **Temperature range** flexing from -5 °C to +70 °C
fixed from -40 °C to +80 °C
- **Nominal voltage** U_0/U 300/500 V
- **Spark test** 6000 V
- **Test voltage a.c.** core/core 2000 V
core/screen 1500 V
- **Insulation resistance** min. 20 M Ω × km
- **Minimum bending radius** approx. 10× cable diameter
- **Radiation resistance** up to 80×10⁶ cJ/kg (up to 80 Mrad)

Application

These cables are ideal for use as a control cables in tool-making and machine industry as well as connecting cables in production lines, power stations for medium mechanical stress. The braided wires offers the best possible protection against mechanical damage. The galvanized coating on the steel wire braiding helps protect against corrosion as well as considerably improves the soldering performance. The transparent outer sheath gives the cable better optical appearance.

Note

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC
Other sizes and types available on request.

OB = version without green-yellow earth core
Conforms to RoHS.

Part No.	Number of cores × core cross-section [mm²]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0212200 OB	2 × 0,5	7,5	9,6	80
0212201	3 × 0,5	8,2	14,4	92
0212202	4 × 0,5	8,6	19,2	102
0212203	5 × 0,5	9,0	24,0	119
0212204	7 × 0,5	10,0	33,6	157
0212205	10 × 0,5	12,5	48,0	205
0212206	12 × 0,5	12,8	58,0	218
0212218 OB	2 × 0,75	8,0	14,4	98
0212219	3 × 0,75	8,5	21,6	103
0212220	4 × 0,75	8,9	28,8	122
0212221	5 × 0,75	9,7	36,0	142
0212222	7 × 0,75	10,7	50,0	185
0212223	9 × 0,75	12,2	65,0	249
0212313	10 × 0,75	12,5	72,0	252
0212224	12 × 0,75	13,2	86,0	292
0212234 OB	2 × 1	8,4	19,2	112
0212235	3 × 1	8,7	28,8	132
0212236	4 × 1	9,5	38,4	143
0212237	5 × 1	9,9	48,0	166
0212238	6 × 1	10,9	58,0	220
0212239	7 × 1	11,7	67,0	227
0212240	8 × 1	12,1	77,0	277
0212241	9 × 1	12,8	86,0	295
0212242	12 × 1	13,6	115,0	340
0212256 OB	2 × 1,5	9,2	29,0	129
0212257	3 × 1,5	9,5	43,0	149
0212258	4 × 1,5	9,9	58,0	185
0212259	5 × 1,5	10,8	72,0	205

Part No.	Number of cores × core cross-section [mm²]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0212260	6 × 1,5	11,8	87,0	255
0212261	7 × 1,5	12,9	101,0	285
0212262	8 × 1,5	13,6	115,0	340
0212263	9 × 1,5	14,3	130,0	347
0212264	10 × 1,5	14,9	144,0	418
0212265	11 × 1,5	15,1	158,0	430
0212266	12 × 1,5	15,1	173,0	444
0212277 OB	2 × 2,5	10,7	48,0	185
0212278	3 × 2,5	11,3	72,0	248
0212279	4 × 2,5	12,1	96,0	290
0212280	5 × 2,5	13,8	120,0	347
0212281	7 × 2,5	15,2	168,0	420
0212282	12 × 2,5	18,2	288,0	660
0212291 OB	2 × 4	11,9	77,0	330
0212318	3 × 4	13,0	115,0	375
0212292	4 × 4	14,8	154,0	428
0212293	5 × 4	16,5	192,0	504
0212294	7 × 4	17,7	269,0	640
0212295	3 × 6	14,5	173,0	543
0212296	4 × 6	15,8	230,0	560
0212297	5 × 6	17,2	288,0	650
0212298	7 × 6	19,8	403,0	860
0212319	3 × 10	18,0	288,0	735
0212299	4 × 10	20,0	384,0	943
0212300	5 × 10	22,3	480,0	1065
0212301	7 × 10	24,2	672,0	1551

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0212320	3 × 16	21,0	461,0	1080
0212302	4 × 16	23,5	614,0	1360
0212303	5 × 16	25,5	768,0	1740
0212304	7 × 16	28,0	1075,0	2166
0212321	3 × 25	26,2	720,0	1630
0212305	4 × 25	29,2	960,0	2020
0212306	5 × 25	32,5	1200,0	2465
0212322	3 × 35	31,6	1008,0	1932
0212307	4 × 35	32,2	1344,0	2570
0212308	5 × 35	36,4	1680,0	3185
0212323	3 × 50	37,4	1440,0	2679
0212309	4 × 50	38,2	1920,0	3513
0212314	5 × 50	43,2	2400,0	4248
0212324	3 × 70	46,0	2016,0	2790
0212310	4 × 70	46,8	2688,0	4810
0212315	5 × 70	51,8	3360,0	5880
0212325	3 × 95	48,9	2736,0	4870
0212311	4 × 95	51,5	3648,0	6360
0212316	5 × 95	56,4	4560,0	8071
0212326	3 × 120	51,7	3456,0	6230
0212317	4 × 120	56,3	4608,0	8170
0212328	4 × 150	63,5	5760,0	9970