YSY-JZ

Flexible cables with steel wire braiding, number 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
- Black cores with repeated white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and more)
- Cores stranded in layers with optimal lay-lenght
- 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 control 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_O/U 300/500 V
- **Spark test** 6000 V
- **Test voltage a.c.** core/core 2000 V
  core/screen 1500 V
- **Insulation resistance** min. 20MΩ × km
- **Minimum bending radius** approx. 10× cable diameter
- **Radiation resistance** up to 80×10^6 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 perfomance. 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.
OZ = version without green-yellow earth core
Conforms to RoHS.

Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0212001 OZ	2 × 0,5	7,5	9,6	86
0212002	3 × 0,5	8,2	14,4	95
0212003	4 × 0,5	8,6	19,2	109
0212004	5 × 0,5	9,0	24,0	120
0212005	7 × 0,5	10,0	33,6	161
0212006	10 × 0,5	12,2	48,0	210
0212007	12 × 0,5	12,8	58,0	220
0212008	14 × 0,5	13,6	67,0	250
0212009	18 × 0,5	14,8	86,0	308
0212010	21 × 0,5	15,8	101,0	375
0212011	24 × 0,5	16,6	115,0	410
0212114	25 × 0,5	17,2	120,0	411
0212012	30 × 0,5	18,3	144,0	440
0212013	35 × 0,5	19,2	168,0	509
0212014	40 × 0,5	20,1	192,0	565
0212015	42 × 0,5	20,9	202,0	593
0212016	50 × 0,5	21,7	240,0	690
0212017	61 × 0,5	23,1	293,0	843
0212018	80 × 0,5	25,2	384,0	1050
0212019 OZ	2 × 0,75	8,0	14,4	98
0212020	3 × 0,75	8,5	21,6	103
0212021	4 × 0,75	8,9	28,8	122
0212022	5 × 0,75	9,7	36,0	142
0212023	7 × 0,75	10,7	50,0	185
0212024	9 × 0,75	12,2	65,0	249
0212025	12 × 0,75	13,2	86,0	292
0212026	15 × 0,75	14,1	108,0	335
0212027	18 × 0,75	15,1	130,0	388
0212028	21 × 0,75	16,2	151,0	474
0212029	25 × 0,75	17,8	180,0	503
0212030	32 × 0,75	18,9	230,0	644
0212031	34 × 0,75	19,6	245,0	663
0212032	41 × 0,75	21,0	296,0	741
0212033	50 × 0,75	23,3	360,0	925

Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0212034	61 × 0,75	25,1	439,0	1082
0212035 OZ	2 × 1	8,4	19,2	112
0212036	3 × 1	8,7	28,8	132
0212037	4 × 1	9,5	38,4	143
0212038	5 × 1	9,9	48,0	166
0212039	6 × 1	10,9	58,0	220
0212040	7 × 1	11,7	67,0	227
0212041	8 × 1	12,1	77,0	277
0212042	9 × 1	12,8	86,0	295
0212043	12 × 1	13,6	115,0	340
0212044	14 × 1	14,5	134,0	420
0212045	18 × 1	15,6	173,0	500
0212046	20 × 1	16,8	192,0	532
0212047	25 × 1	18,7	240,0	664
0212048	34 × 1	20,8	326,0	845
0212049	36 × 1	20,8	346,0	857
0212050	41 × 1	22,2	394,0	993
0212051	50 × 1	24,2	480,0	1112
0212052	56 × 1	25,2	538,0	1225
0212053	61 × 1	26,6	586,0	1306
0212054	65 × 1	27,5	624,0	1540
0212055	80 × 1	29,5	786,0	1750
0212056	100 × 1	34,8	960,0	1950
0212057 OZ	2 × 1,5	9,2	31,0	129
0212058	3 × 1,5	9,5	43,0	149
0212059	4 × 1,5	9,9	58,0	185
0212060	5 × 1,5	10,8	72,0	205
0212109	6 × 1,5	11,8	87,0	255
0212061	7 × 1,5	12,9	101,0	285
0212062	8 × 1,5	13,9	115,0	340
0212063	9 × 1,5	14,7	130,0	368
0212064	10 × 1,5	15,1	144,0	418
0212065	11 × 1,5	15,3	158,0	430

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0212066	12 × 1,5	15,5	173,0	444
0212067	14 × 1,5	15,9	202,0	533
0212068	18 × 1,5	17,3	259,0	593
0212069	25 × 1,5	20,9	360,0	781
0212070	32 × 1,5	22,6	461,0	1015
0212071	34 × 1,5	22,9	490,0	1124
0212072	42 × 1,5	24,6	605,0	1401
0212073	50 × 1,5	27,1	720,0	1583
0212074	61 × 1,5	29,8	878,0	1810
0212075	80 × 1,5	33,2	1152,0	2316
0212076	100 × 1,5	36,4	1440,0	2900
0212077 OZ	2 × 2,5	10,7	48,0	185
0212078	3 × 2,5	11,3	72,0	248
0212079	4 × 2,5	12,1	96,0	290
0212080	5 × 2,5	13,8	120,0	347
0212081	7 × 2,5	15,2	168,0	420
0212082	12 × 2,5	18,2	288,0	660
0212083	14 × 2,5	18,9	336,0	750
0212084	18 × 2,5	21,5	432,0	893
0212085	20 × 2,5	22,6	480,0	1169
0212086	25 × 2,5	25,5	600,0	1458
0212087	30 × 2,5	26,7	720,0	1686
0212088	34 × 2,5	28,7	816,0	1869
0212089	50 × 2,5	34,3	1200,0	2200
0212090	61 × 2,5	37,7	1464,0	3000
0212115	3 × 4	13,0	117,0	320
0212091	4 × 4	14,8	154,0	415
0212092	5 × 4	16,5	192,0	504
0212093	7 × 4	17,7	269,0	640
0212094	11 × 4	22,0	422,0	1020
0212095	4 × 6	15,8	230,0	560

Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0212096	5 × 6	17,2	288,0	650
0212097	7 × 6	19,8	403,0	860
0212098	4 ×10	20,0	384,0	943
0212099	5 ×10	22,3	480,0	1065
0212100	7 ×10	24,2	672,0	1551
0212101	4 ×16	23,5	614,0	1360
0212102	5 ×16	25,5	768,0	1740
0212103	7 ×16	28,0	1075,0	2166
0212104	4 ×25	29,2	960,0	2020
0212105	5 ×25	1200,0	2465	
0212106	4 ×35	32,2	1344,0	2570
0212107	5 ×35	36,4	1680,0	3185
0212108	4 ×50	38,2	1920,0	3513
0212116	5 ×50	43,2	2400,0	4248
0212111	4 ×70	46,8	2688,0	4810
0212117	5 ×70	51,8	3360,0	5880
0212110	4 ×95	51,5	3648,0	6360
0212118	5 ×95	56,4	4560,0	8071
0212119	4 ×120	56,3	4608,0	8170
0212327	4 ×150	63,5	5760,0	9970