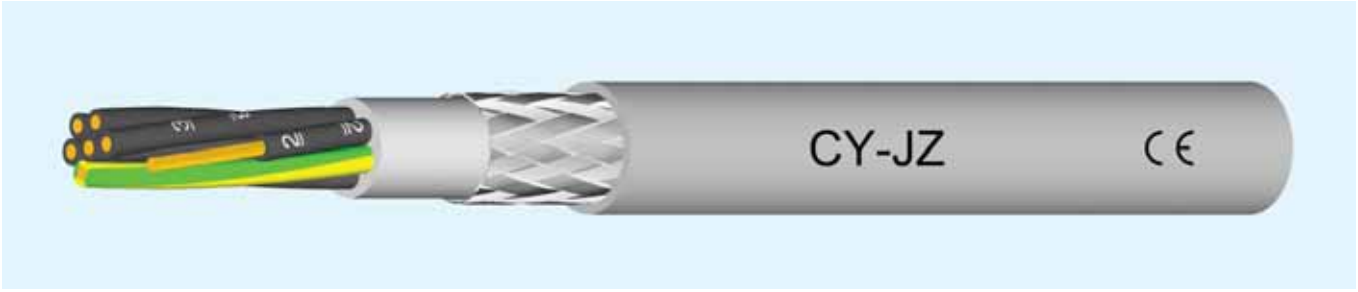
CY-JZ

Flexible screened cables, number coded cores, EMC*



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
- Cores stranded in layers with optimal lay-lenght
- Green-yellow earth core in the outer layer (3 cores and more)
- Inner sheath of PVC
- Tinned copper braided screening, approx. 85% coverage
- Sheath of special PVC compound, color grey
- PVC self-extinguishing and flame retardant, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Control screened PVC cables, requirements adapted to DIN VDE 0245, 0281 part 13
- **Temperature range** flexing from -5 °C to +70 °C
  fixed from -40 °C to +70 °C
- **Nominal voltage** U_O/U 300/500 V
- **Test voltage a.c.** core/core 3000 V
  core/screen 1500 V
- **Spark test** 6000 V
- **Insulation resistance** min. 20 MΩ × km
- **Minimum bending radius** approx. 10× cable diameter
- **Radiation resistance** up to 80×10^6 cJ/kg (up to 80 Mrad)

Application

CY-JZ flexible screened cables are used for medium mechanical stress, but without tensile stress or forced movements in dry wet and moist areas but are not suitable for open air application. These cables are used in measuring and control technics conveyor belts, production lines, air-conditioning, machine tools etc. The cores are numbered in such way that they are still recognizable even after a small part of the outer sheat is removed. Special PVC compound ensures good flexibility and is extensively oil resistant.

Note

***EMC** = Electromagnetic compatibility – recommended type
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]
0213840 OZ	2 × 0,75	8,0	61,3	108
0213841 OZ	3 × 0,75	8,2	69,2	145
0213842	3 × 0,75	8,2	69,2	145
0213843	4 × 0,75	8,8	87,0	163
0213844	5 × 0,75	9,4	95,1	183
0213845	7 × 0,75	9,9	111,0	233
0213846	12 × 0,75	12,5	180,2	384
0213847	18 × 0,75	14,1	243,0	492
0213848	25 × 0,75	16,6	312,0	671
0213849	34 × 0,75	18,5	413,0	822
0213850	42 × 0,75	20,0	445,0	1002
0213851	50 × 0,75	21,6	535,0	1154
0213852	61 × 0,75	23,8	619,8	1435
0213860 OZ	2 × 1	8,6	66,5	143
0213861	3 × 1	8,8	77,0	156
0213862	4 × 1	9,3	97,0	178
0213863	5 × 1	9,9	108,0	209
0213864	7 × 1	10,5	128,3	255
0213865	12 × 1	13,3	210,0	426
0213866	18 × 1	15,3	286,0	552
0213867	25 × 1	18,1	388,5	766
0213868	34 × 1	20,2	505,0	973
0213869	42 × 1	21,5	578,0	1110
0213870	50 × 1	23,5	688,0	1322
0213871	61 × 1	25,0	770,0	1596
0213880 OZ	2 × 1,5	9,2	86,4	189
0213881	3 × 1,5	9,6	102,0	200
0213882	4 × 1,5	10,3	117,0	247
0213883	5 × 1,5	11,0	146,0	304
0213884	7 × 1,5	11,7	196,0	393
0213885	12 × 1,5	15,2	280,0	615
0213886	18 × 1,5	17,6	389,0	793
0213887	25 × 1,5	20,9	535,0	1116
0213888	34 × 1,5	23,3	702,0	1376
0213889	42 × 1,5	24,6	845,0	1596

Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0213890	50 × 1,5	27,1	1006,0	1881
0213891	61 × 1,5	28,5	1075,0	2246
0213901	3 × 2,5	11,3	146,0	211
0213902	4 × 2,5	12,5	171,5	298
0213903	5 × 2,5	13,4	213,0	326
0213904	7 × 2,5	14,6	288,0	498
0213905	12 × 2,5	18,8	419,0	796
0213906	18 × 2,5	21,9	572,0	1080
0213907	4 × 4	12,7	237,0	351
0213908	5 × 4	13,9	280,0	480
0213909	4 × 6	15,7	318,0	553
0213910	5 × 6	16,0	410,0	600
0213911	4 × 10	19,2	521,0	901
0213912	5 × 10	22,9	714,0	1048
0213913	4 × 16	22,5	780,0	1122
0213914	5 × 16	25,6	1050,0	1402
0213915	4 × 25	26,4	1174,0	1699
0213916	5 × 25	31,1	1486,0	2124
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0212160	4 × 4	12,7	290,0	320
0212161	4 × 6	15,7	360,0	470
0212162	4 × 10	19,2	535,0	740
0212163	4 × 16	22,5	910,0	1080
0212164	4 × 25	26,4	1174,0	1520
0212165	4 × 35	30,0	1610,0	2010
0212166	4 × 50	34,9	2235,0	2840
0212167	4 × 70	39,3	3089,0	3880
0212168	4 × 95	44,7	4060,0	5070
0212169	4 × 120	49,2	5050,0	6430
0212170	4 × 150	-	7033,0	7650
0212171	4 × 185	-	9023,0	9300