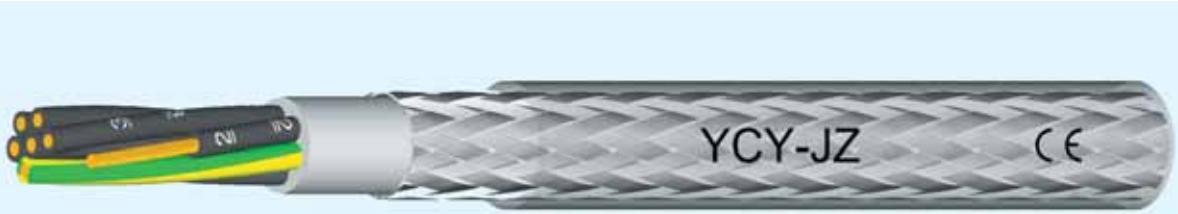
YCY-JZ

Flexible control cables, copper screened, number coded cores, transparent, 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
- 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 cables, requirements adapted to DIN VDE 0245, 0281 part 13
- **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 3000 V
  core/screen 2000 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

Ideal for use as a control cable in tool-making and machine industry as well as signal cable in computers and electronics. The high density of the braiding assures disturbance-free transmission of all signals and impulses. The inner PVC sheath of the cable raises its resistance to mechanical stress. The used transparent inner PVC sheath optically highlights the tinned copper braiding.

Note

***EMC** = Electromagnetic compatibility – recommended type
CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC
OZ = version without green-yellow earth core
Conforms to RoHS.
Other sizes and types available on request.

Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0216200 OZ	2 × 0,5	7,0	32	67
0216201	3 × 0,5	7,5	39	83
0216202	4 × 0,5	7,9	46	94
0216203	5 × 0,5	8,4	52	108
0216204	6 × 0,5	9,1	66	125
0216205	7 × 0,5	9,5	68	136
0216206	8 × 0,5	10,2	80	150
0216207	10 × 0,5	11,2	81	170
0216208	12 × 0,5	11,3	117	195
0216209	14 × 0,5	11,9	122	223
0216210	16 × 0,5	12,6	123	250
0216211	18 × 0,5	13,1	156	277
0216212	20 × 0,5	13,8	173	310
0216315	21 × 0,5	14,5	189	331
0216213	24 × 0,5	15,2	236	390
0216214	25 × 0,5	15,7	250	407
0216215	30 × 0,5	16,0	297	520
0216216	32 × 0,5	16,9	301	550
0216217	36 × 0,5	17,4	320	585
0216218	40 × 0,5	18,9	343	654
0216219	50 × 0,5	20,9	407	740
0216220	61 × 0,5	22,9	415	850
0216221	80 × 0,5	25,0	690	1080
0216222	100 × 0,5	27,7	814	1350
0216223 OZ	2 × 0,75	7,8	39	87
0216224	3 × 0,75	8,1	49	98
0216225	4 × 0,75	8,5	57	113
0216226	5 × 0,75	9,1	69	130
0216227	6 × 0,75	9,6	71	156
0216228	7 × 0,75	10,4	87	184

Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0216229	8 × 0,75	11,1	99	221
0216230	10 × 0,75	12,2	132	270
0216231	12 × 0,75	12,5	144	292
0216232	14 × 0,75	13,0	151	315
0216233	16 × 0,75	13,8	172	335
0216234	18 × 0,75	14,3	207	358
0216235	20 × 0,75	15,2	220	420
0216516	21 × 0,75	15,8	231	454
0216236	24 × 0,75	16,8	250	480
0216237	25 × 0,75	17,4	257	508
0216238	27 × 0,75	17,6	266	535
0216239	30 × 0,75	18,1	297	640
0216240	32 × 0,75	18,7	330	688
0216241	36 × 0,75	19,5	370	730
0216242	40 × 0,75	20,9	395	950
0216243	50 × 0,75	23,2	480	1100
0216244	61 × 0,75	25,0	555	1290
0216245	80 × 0,75	28,0	715	1510
0216246	100 × 0,75	30,6	910	1640
0216248 OZ	2 × 1	8,0	46	97
0216249	3 × 1	8,2	56	103
0216250	4 × 1	8,9	69	146
0216251	5 × 1	9,5	85	169
0216252	6 × 1	10,2	105	199
0216253	7 × 1	11,0	118	219
0216254	8 × 1	11,6	126	270
0216255	10 × 1	13,0	138	330
0216256	12 × 1	13,1	186	350
0216257	14 × 1	13,9	198	400
0216258	16 × 1	14,5	203	422

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0216259	18 × 1	15,4	240	514
0216260	20 × 1	16,0	286	545
0216261	24 × 1	17,4	320	640
0216262	25 × 1	18,1	342	689
0216263	28 × 1	18,4	370	710
0216264	30 × 1	18,8	395	762
0216265	34 × 1	20,3	440	910
0216266	40 × 1	21,8	510	1070
0216267	50 × 1	24,0	626	1315
0216268	61 × 1	26,2	710	1370
0216269	80 × 1	29,3	940	1610
0216270	100 × 1	33,0	1180	1840
0216271 OZ	2 × 1,5	8,4	63	130
0216272	3 × 1,5	9,0	76	152
0216273	4 × 1,5	9,6	96	168
0216274	5 × 1,5	10,5	111	202
0216275	7 × 1,5	12,1	147	304
0216276	8 × 1,5	13,0	172	336
0216277	10 × 1,5	14,5	193	420
0216278	12 × 1,5	14,9	254	434
0216279	14 × 1,5	15,5	272	480
0216280	16 × 1,5	16,4	285	525
0216281	18 × 1,5	17,1	338	640
0216282	20 × 1,5	18,0	367	690
0216317	21 × 1,5	18,7	414	720
0216283	24 × 1,5	19,8	448	770
0216284	25 × 1,5	20,7	492	805
0216285	28 × 1,5	21,1	525	900
0216286	30 × 1,5	21,5	555	950
0216287	35 × 1,5	22,7	645	1100
0216288	40 × 1,5	24,4	730	1350
0216289	50 × 1,5	26,8	977	1675
0216290	61 × 1,5	29,6	1120	1800
0216291	80 × 1,5	33,2	1360	2300
0216292	100 × 1,5	36,4	1690	2600
0216293 OZ	2 × 2,5	10,0	96	180
0216294	3 × 2,5	10,7	148	216
0216295	4 × 2,5	11,4	174	267
0216296	5 × 2,5	12,5	200	347
0216297	7 × 2,5	15,0	235	407
0216298	10 × 2,5	17,9	335	660
0216318	12 × 2,5	18,0	370	722

Part No.	Number of cores x core cross-section [mm²]	Approx. outer ∅ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0216299 OZ	2 × 4	11,6	135	302
0216300	3 × 4	12,3	178	340
0216301	4 × 4	13,4	220	410
0216302	5 × 4	14,8	328	502
0216303	7 × 4	16,2	355	638
0216304 OZ	2 × 6	13,5	175	350
0216305	3 × 6	14,2	240	450
0216306	4 × 6	15,6	305	559
0216307	5 × 6	17,0	441	702
0216308	7 × 6	18,7	505	907
0216309 OZ	2 ×10	16,8	265	500
0216310	3 ×10	17,8	370	750
0216311	4 ×10	19,7	485	1020
0216312	5 ×10	21,6	610	1115
0216313	7 ×10	24,0	820	1500
0216460	4 ×16	22,6	1240	1380
0216314	5 ×16	25,2	1390	1553
0216461	4 ×25	28,9	1310	1890
0216462	5 ×25	31,8	1840	2270
0216463	4 ×35	32,2	1610	2390
0216464	5 ×35	36,4	2015	2885
0216465	4 ×50	38,2	2220	3315
0216157	5 ×50	43,0	2880	4150
0216466	4 ×70	46,8	3090	4600
0216158	5 ×70	51,8	4032	5750
0216467	4 ×95	51,0	4060	6060
0216159	5 ×95	56,0	5244	7580
0216468	4 ×120	56,0	5150	7315
0216160	5 ×120	63,0	6624	9150
0216167	4 ×150	63,5	6774	9680
0216168	5 ×150	69,5	8496	10170