

YCY-JZ 0,6/1 kV BLACK

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-length
- Green-yellow earth core in the outer layer (3 cores and more)
- Inner sheath PVC
- Tinned copper braided screening, approx 85% coverage
- Special black 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

- Control screened PVC cables
- Requirements adapted to DIN VDE 0262/12.95 and DIN VDE 0281 part 13 with insulation thickness for 1 kV
- **Temperature range** flexing from -5 °C to +70 °C
fixed from -40 °C to +80 °C
- **Nominal voltage** U_0/U 0,6/1 kV
- **Spark test** 6000 V
- **Test voltage a.c.** 4000 V
- **Insulation resistance** min. 20 M Ω × km
- **Minimum bending radius** inf. 10× cable diameter
- **Radiation resistance** up to 80×10⁶ cJ/kg (up to 80 Mrad)
- **Resistant to UV-radiation**

Application

Flexible screened cable suitable for measuring and controlling purposes in cutting tools, conveyor belts, production lines, airconditioning and steel making. These cables are designed for flexible use under medium mechanical stress with free movement, but without tensile stress or forced movements in dry, moist and wet areas. Cables suitable for inner and outer application (outer application only fixed installation). These cables are not suitable as a direct burial or direct use in water. The cores are numbered in such way that they are still recognizable even after a small part of the outer sheath is removed. The numbered codes are underlined to avoid possible confusion. The earth core is laid in the outer layer. The black outer sheath made of special PVC is resistant to ultra violet radiation.

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 × core cross-section [mm ²]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0211464 OZ	2 × 0,5	8,3	25,9	129
0211465	3 × 0,5	8,6	38,9	150
0211466	4 × 0,5	9,4	51,3	170
0211467	5 × 0,5	10,1	64,9	199
0211469	7 × 0,5	12,1	94,1	235
0211472	12 × 0,5	14,7	168,2	320
0211475	18 × 0,5	17,3	266,5	428
0211478	25 × 0,5	20,6	372,0	503
0211489 OZ	2 × 0,75	8,7	39,0	143
0211490	3 × 0,75	9,0	58,3	155
0211491	4 × 0,75	9,9	78,3	190
0211492	5 × 0,75	10,8	97,2	228
0211494	7 × 0,75	13,0	135,0	323
0211498	12 × 0,75	15,8	249,0	410
0211501	18 × 0,75	17,9	357,0	560
0211504	25 × 0,75	22,8	458,0	730
0211516 OZ	2 × 1	9,4	51,8	150
0211517	3 × 1	9,8	78,3	163
0211518	4 × 1	10,8	103,7	200
0211519	5 × 1	12,1	129,6	239
0211521	7 × 1	14,5	187,6	289
0211525	12 × 1	17,4	333,5	464
0211528	18 × 1	20,7	501,7	628
0211532	25 × 1	24,8	644,0	855

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0211546 OZ	2 × 1,5	10,2	78,3	162
0211547	3 × 1,5	10,9	116,1	187
0211548	4 × 1,5	12,2	156,6	240
0211549	5 × 1,5	13,3	194,4	289
0211551	7 × 1,5	16,0	282,8	383
0211556	12 × 1,5	19,6	501,7	592
0211559	18 × 1,5	23,4	751,1	806
0211563	25 × 1,5	28,2	1016,0	1241
0211574 OZ	2 × 2,5	11,5	129,6	272
0211575	3 × 2,5	12,2	194,4	298
0211576	4 × 2,5	13,4	259,2	345
0211577	5 × 2,5	14,9	324,0	427
0211578	7 × 2,5	17,9	470,4	561
0211580	12 × 2,5	21,9	777,6	857
0211582	18 × 2,5	26,1	1152,8	1355
0211584	25 × 2,5	31,9	1760,0	1995
0211590 OZ	2 × 4	14,3	208,0	306
0211591	3 × 4	15,1	310,5	391
0211592	4 × 4	16,7	415,8	527
0211595	5 × 4	18,6	518,4	700
0211594	7 × 4	20,0	726,3	920
0211596	12 × 4	26,9	1256,9	1510
0211597 OZ	2 × 6	16,0	515,2	420
0211598	3 × 6	17,0	467,1	629

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0211599	4 × 6	18,7	621,0	751
0211600	5 × 6	20,7	777,6	1105
0211601	7 × 6	23,0	1028,2	1465
0211602 OZ	2 × 10	18,4	537,3	845
0211603	3 × 10	19,6	806,4	1125
0211604	4 × 10	21,9	1036,8	1545
0211605	5 × 10	24,1	1296,0	1635
0211606	7 × 10	26,8	1714,4	2210
0211607 OZ	2 × 16	22,0	988,0	1150
0211608	3 × 16	23,5	1244,7	1395
0211609	4 × 16	26,4	1657,8	1870
0211610	5 × 16	28,8	2073,6	2720
0211611	7 × 16	31,9	2902,5	3213
0211612	3 × 25	28,0	1944,0	2465
0211613	4 × 25	32,5	2592,0	2750
0211614	5 × 25	35,7	3240,0	3490
0211615	7 × 25	39,0	4536,0	4980
0211616	3 × 35	32,7	2520,0	3230
0211617	4 × 35	35,7	3360,0	4100
0211618	5 × 35	40,0	4200,0	4950
0211619	3 × 50	36,5	3600,0	4590
0211620	4 × 50	41,1	4800,0	5780
0211621	5 × 50	44,6	6000,0	7210
0211622	3 × 70	44,1	5040,0	5610
0211623	4 × 70	48,3	6720,0	7480
0211624	5 × 70	52,5	8570,0	9390
0211625	3 × 95	46,6	6840,0	8585
0211626	4 × 95	51,4	9120,0	10220
0211627	5 × 95	55,7	11400,0	13800
0211628	3 × 120	51,5	8780,0	11105
0211629	4 × 120	56,0	11520,0	13750
0213137	4 × 150	63,3	13460,0	15990