

# YCY-JZ-HF

Flexible, copper screened cables for drag chains, EMC\*



02

## Cable structure

- Fine stranded bare copper conductor according to DIN VDE 0295 and IEC 60228 cl. 6
- Core insulation of special PVC
- 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-length and wrapped with fleece
- Inner sheath of special PVC
- Tinned copper braided screening, approx 85% coverage
- Outer sheath of special PVC color grey, 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 cable from special PVC, highly flexible, screened
- **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.** 3000 V
- **Insulation resistance** min. 20 M $\Omega$  × km
- **Minimum bending radius** approx. 10× cable diameter
- **Radiation resistance** up to 80×10<sup>6</sup> cJ/kg (up to 80 Mrad)

## Application

Cables YCY-JZ-HF are perfect for use in machine industry, machinery and equipment, robotics, production lines and anywhere where high flexibility is needed. These cables are ideal in combination with drag chains. The cables are suitable for flexible use with medium mechanical stress with free movement. The high density of the braiding assures disturbance-free transmission of all signals and impulses.

### 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 <sup>2</sup> ]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0215930 OZ	2 × 0,5	6,9	30	90
0215931	3 × 0,5	7,2	38	115
0215932	4 × 0,5	7,8	48	140
0215933	5 × 0,5	8,3	64	168
0215934	7 × 0,5	9,6	70	217
0215935	12 × 0,5	11,3	96	274
0215876	14 × 0,5	11,9	101	332
0215877	16 × 0,5	12,7	126	388
0215936	18 × 0,5	13,5	141	445
0215937	20 × 0,5	14,0	157	497
0215878	21 × 0,5	14,5	165	500
0215938	25 × 0,5	15,8	196	505
0215879	30 × 0,5	16,3	236	515
0215880	34 × 0,5	16,4	267	530
0215945 OZ	2 × 0,75	7,3	49	105
0215946	3 × 0,75	7,8	58	128
0215947	4 × 0,75	8,3	75	184
0215948	5 × 0,75	9,1	83	200
0215949	7 × 0,75	10,2	85	269
0215885	10 × 0,75	12,3	96	327
0215950	12 × 0,75	12,6	140	366
0215886	14 × 0,75	13,1	163	426
0215887	16 × 0,75	13,9	187	487
0215951	18 × 0,75	14,5	211	547
0215888	20 × 0,75	15,2	216	551
0215889	21 × 0,75	15,9	272	590
0215952	25 × 0,75	17,3	322	600
0215890	30 × 0,75	17,8	414	650
0215891	34 × 0,75	19,4	473	685
0215961 OZ	2 × 1	7,8	56	115
0215962	3 × 1	8,1	66	142
0215963	4 × 1	8,7	80	196

Part No.	Number of cores × core cross-section [mm <sup>2</sup> ]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0215964	5 × 1	9,5	114	271
0215965	7 × 1	10,9	129	307
0215966	12 × 1	13,1	235	474
0215967	18 × 1	15,4	309	622
0215968	25 × 1	18,6	417	828
0215969	34 × 1	20,6	519	1049
0215976 OZ	2 × 1,5	8,3	75	170
0215977	3 × 1,5	8,7	90	203
0215978	4 × 1,5	9,5	112	243
0215979	5 × 1,5	10,2	132	288
0215980	7 × 1,5	12,2	218	403
0215981	12 × 1,5	14,5	309	592
0215982	18 × 1,5	16,9	481	844
0215983	25 × 1,5	20,6	584	1155
0215151	34 × 1,5	24,2	702	1020
0215152	42 × 1,5	25,8	867	1227
0215153	50 × 1,5	28,0	970	1445
0215925	3 × 2,5	10,5	140	215
0215926	4 × 2,5	11,2	169	264
0215927	5 × 2,5	12,7	194	344
0215928	7 × 2,5	14,8	234	410
0215929	12 × 2,5	18,0	364	721
0215155	3 × 4	12,7	178	292
0215156	4 × 4	13,9	222	372
0215157	5 × 4	15,3	328	448
0215158	4 × 6	15,7	305	526
0215159	5 × 6	17,1	441	632
0215160	4 × 10	20,8	485	838
0215161	5 × 10	22,8	610	998
0215162	4 × 16	22,9	840	1225
0215163	5 × 16	25,7	1050	1560