

YY-JZ-HF

Flexible cables for drag chains



Cable structure

- Fine stranded bare copper conductor according to DIN VDE 0295, IEC 60228 cl. 6
- Core insulation of special PVC
- 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)
- 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 PVC cable, highly flexible due to special construction
- 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
- **Test voltage a.c.** 3000 V
- **Spark test** 6000 V
- **Insulation resistance** min. 20 M Ω × km
- **Minimum bending radius** approx. 7,5× cable diameter
- **Radiation resistance** up to 80×10⁶ cJ/kg (up to 80 Mrad)

Application

YY-JZ-HF cables are ideal for application in machine and tool industry, robotics, production lines and areas where high flexibility is necessary. These cables are ideal in combination with standard drag chains and are also suitable for flexible use for medium mechanical stress with free movements.

Note

CE = the product is conformed with the EC Low-Voltage Directive 73/23/EEC.

OZ = version without green-yellow earth core.

Conforms to RoHS.

Part No.	Number of cores × core cross-section [mm ²]	Approx. outer \varnothing [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0115001 OZ	2 × 0,5	5,0	9,6	46
0115002	3 × 0,5	5,3	14,0	57
0115003	4 × 0,5	5,7	19,0	70
0115004	5 × 0,5	6,4	24,0	93
0115005	7 × 0,5	7,5	33,6	127
0115006	10 × 0,5	9,1	48,0	161
0115007	12 × 0,5	9,2	58,0	177
0115008	14 × 0,5	9,8	67,0	213
0115009	16 × 0,5	10,3	76,0	260
0115010	18 × 0,5	11,1	86,0	284
0115011	20 × 0,5	11,6	96,0	318
0115012	25 × 0,5	13,4	120,0	363
0115013	30 × 0,5	13,7	144,0	432
0115014	34 × 0,5	15,0	163,0	487
0115015	36 × 0,5	15,0	173,0	518
0115016	42 × 0,5	16,1	202,0	575
0115017	50 × 0,5	17,9	240,0	675
0115018	61 × 0,5	19,6	293,0	829
0115019 OZ	2 × 0,75	5,4	14,4	58
0115020	3 × 0,75	5,7	21,6	73
0115021	4 × 0,75	6,4	28,8	77
0115022	5 × 0,75	7,0	36,0	119
0115023	7 × 0,75	8,3	50,5	165
0115024	10 × 0,75	10,1	72,0	216
0115025	12 × 0,75	10,2	86,0	247
0115026	14 × 0,75	10,9	101,0	284
0115027	16 × 0,75	11,5	115,0	320
0115028	18 × 0,75	12,1	130,0	356
0115029	20 × 0,75	12,8	144,0	453
0115030	25 × 0,75	14,9	180,0	498
0115031	30 × 0,75	15,2	216,0	510
0115032	34 × 0,75	16,6	245,0	550
0115033	36 × 0,75	16,6	259,0	570
0115034	42 × 0,75	18,1	302,0	600
0115035	50 × 0,75	20,0	360,0	700
0115036	61 × 0,75	23,3	439,0	820

Part No.	Number of cores × core cross-section [mm ²]	Approx. outer \varnothing [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0115091	65 × 0,75	24,7	468,0	841
0115037 OZ	2 × 1	5,7	19,0	65
0115038	3 × 1	6,0	29,0	84
0115039	4 × 1	6,8	38,4	113
0115040	5 × 1	7,4	48,0	137
0115041	7 × 1	8,8	67,0	192
0115042	10 × 1	10,7	96,0	251
0115043	12 × 1	10,8	115,0	295
0115044	14 × 1	11,6	134,0	337
0115045	16 × 1	12,2	154,0	379
0115046	18 × 1	13,0	173,0	420
0115047	20 × 1	13,6	192,0	480
0115048	25 × 1	15,8	240,0	600
0115049	30 × 1	16,4	308,0	695
0115050	34 × 1	17,8	326,0	777
0115051	36 × 1	17,8	346,0	825
0115052	41 × 1	19,3	403,0	926
0115214	42 × 1	19,3	403,0	948
0115053	50 × 1	21,2	480,0	1092
0115092	61 × 1	23,2	586,0	1204
0115054	65 × 1	23,7	624,0	1400
0115055 OZ	2 × 1,5	6,4	29,0	91
0115056	3 × 1,5	6,8	43,0	117
0115057	4 × 1,5	7,4	58,0	147
0115058	5 × 1,5	8,3	72,0	181
0115059	7 × 1,5	9,9	101,0	273
0115060	10 × 1,5	11,9	144,0	344
0115061	12 × 1,5	12,1	173,0	391
0115062	14 × 1,5	12,9	202,0	457
0115063	16 × 1,5	13,6	230,0	523
0115064	18 × 1,5	14,5	259,0	590
0115065	20 × 1,5	15,2	288,0	650
0115066	25 × 1,5	17,8	360,0	801
0115067	30 × 1,5	18,2	432,0	958
0115068	34 × 1,5	19,7	490,0	1084

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Part No.	Number of cores x core cross-section [mm ²]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0115069	36 × 1,5	19,7	518,0	1135
0115070	42 × 1,5	21,5	605,0	1290
0115071	50 × 1,5	23,7	720,0	1521
0115072	60 × 1,5	25,3	864,0	1885
0115215	61 × 1,5	26,2	878,	1916
0115216	65 × 1,5	27,6	936,0	1994
0115073 OZ	2 × 2,5	7,7	48,0	130
0115074	3 × 2,5	8,4	72,0	160
0115075	4 × 2,5	9,1	96,0	200
0115076	5 × 2,5	10,2	120,0	269
0115077	7 × 2,5	12,2	168,0	357
0115078	10 × 2,5	15,0	240,0	486
0115079	12 × 2,5	15,2	288,0	572
0115080	14 × 2,5	16,1	336,0	612
0115081	16 × 2,5	17,2	384,0	702
0115082	18 × 2,5	18,1	432,0	800
0115083	20 × 2,5	19,2	480,0	920
0115084	25 × 2,5	22,5	600,0	1100

Part No.	Number of cores x core cross-section [mm ²]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0115085	30 × 2,5	23,5	720,0	1400
0115086	34 × 2,5	25,2	816,0	1500
0115087	36 × 2,5	25,2	864,0	1600
0115088	42 × 2,5	27,4	1008,0	1800
0115089	50 × 2,5	30,0	1200,0	2100
0115142	3 × 4	10,4	115,0	221
0115143	4 × 4	11,4	154,0	260
0115144	5 × 4	12,7	192,0	318
0115145	4 × 6	13,3	230,0	392
0115146	5 × 6	14,5	288,0	481
0115147	4 × 10	17,7	384,0	642
0115148	5 × 10	19,7	480,0	780
0115149	4 × 16	19,8	614,0	926
0115150	5 × 16	22,3	768,0	1135