

PUR-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 PVC, oil resistant according to DIN VDE 0281 part 1, for better flexibility
- 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, core wrapping fleece
- Special polyurethane outer jacket color grey, slip resistant outer insulation
- Different core colors available on request
- Flame retardant PUR, according to DIN VDE 0482 part 265-2-1/ EN 50265-2-1/ IEC 60332-1

Technical data

- Control cable from special polyurethane for drag chains
- **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.** 3000 V
- **Spark test** 6000 V
- **Insulation resistance** min. 20 M Ω $\times$ km
- **Minimum bending radius** approx. 7,5 $\times$ cable diameter
- **Radiation resistance** up to 100 $\times 10^6$ cJ/kg (up to 100 Mrad)

Application

PUR-JZ-HF is extremely robust cable used mostly for its good tear and abrasion resistance. Due to its good resistance against mineral oils and coolants the cable is ideal for use in machinery, tool making and heavy industry in critical areas. The cable is easy and fast to install due to its high abrasion resistance and good flexing characteristics. The cable is ideal for drag chains due to its small bending radius. The cable is also resistant to UV radiation, oxygen, ozone, hydrolysis and microbes and is therefore suitable for open air use.

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 $\times$ core cross-section [mm ²]	Approx. outer $\varnothing$ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0115520 OZ	2 $\times$ 0,5	5,4	9,6	45
0115521	3 $\times$ 0,5	5,9	14,4	56
0115522	4 $\times$ 0,5	6,3	19,0	69
0115523	5 $\times$ 0,5	6,9	24,0	92
0115524	7 $\times$ 0,5	7,8	33,6	126
0115525	8 $\times$ 0,5	8,6	38,0	136
0115526	10 $\times$ 0,5	9,6	48,0	158
0115527	12 $\times$ 0,5	10,3	58,0	176
0115528	14 $\times$ 0,5	10,3	67,0	212
0115529	18 $\times$ 0,5	11,5	86,4	283
0115530	21 $\times$ 0,5	12,6	96,0	310
0115531	25 $\times$ 0,5	13,6	120,0	330
0115532	30 $\times$ 0,5	14,2	144,0	390
0115533	34 $\times$ 0,5	15,1	163,0	420
0115534	42 $\times$ 0,5	16,2	202,0	500
0115535	50 $\times$ 0,5	18,0	240,0	580
0115538 OZ	2 $\times$ 0,75	5,9	14,4	57
0115539	3 $\times$ 0,75	6,2	21,6	72
0115540	4 $\times$ 0,75	6,7	28,8	97
0115541	5 $\times$ 0,75	7,3	36,0	119
0115542	7 $\times$ 0,75	8,7	50,5	165
0115543	8 $\times$ 0,75	9,5	58,0	189
0115544	10 $\times$ 0,75	10,5	72,0	214
0115545	12 $\times$ 0,75	11,0	86,0	247
0115546	14 $\times$ 0,75	11,4	101,0	283
0115547	18 $\times$ 0,75	12,6	130,0	356
0115548	21 $\times$ 0,75	14,0	151,0	502
0115549	25 $\times$ 0,75	15,2	180,0	698
0115550	30 $\times$ 0,75	15,7	216,0	720
0115551	34 $\times$ 0,75	17,1	245,0	770
0115552	42 $\times$ 0,75	18,5	302,0	840

Part No.	Number of cores $\times$ core cross-section [mm ²]	Approx. outer $\varnothing$ [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0115553	50 $\times$ 0,75	20,0	360,0	990
0115556 OZ	2 $\times$ 1	6,6	19,2	64
0115557	3 $\times$ 1	7,0	29,0	83
0115558	4 $\times$ 1	7,6	38,4	113
0115559	5 $\times$ 1	8,2	48,0	137
0115560	7 $\times$ 1	9,6	67,0	191
0115561	8 $\times$ 1	10,5	77,0	218
0115562	10 $\times$ 1	11,6	96,0	251
0115563	12 $\times$ 1	12,0	115,0	294
0115564	14 $\times$ 1	13,0	134,0	337
0115565	18 $\times$ 1	14,5	173,0	420
0115566	21 $\times$ 1	16,0	205,0	504
0115567	25 $\times$ 1	17,6	240,0	600
0115568	32 $\times$ 1	18,8	308,0	732
0115569	34 $\times$ 1	19,7	326,0	776
0115570	41 $\times$ 1	24,9	394,0	925
0115571	42 $\times$ 1	21,1	403,0	949
0115572	50 $\times$ 1	23,4	480,0	1092
0115573	65 $\times$ 1	30,9	624,0	1400
0115575 OZ	2 $\times$ 1,5	7,1	29,0	90
0115576	3 $\times$ 1,5	7,5	43,0	117
0115577	4 $\times$ 1,5	8,2	58,0	147
0115578	5 $\times$ 1,5	9,0	72,0	181
0115579	7 $\times$ 1,5	10,8	101,0	274
0115580	8 $\times$ 1,5	11,6	115,0	313
0115581	10 $\times$ 1,5	13,4	144,0	344
0115582	12 $\times$ 1,5	13,4	173,0	391
0115583	14 $\times$ 1,5	14,3	202,0	457
0115584	18 $\times$ 1,5	16,0	259,0	589
0115585	21 $\times$ 1,5	17,5	302,0	680

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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]
0115586	25 × 1,5	19,5	360,0	801
0115587	30 × 1,5	20,0	410,0	938
0115588	34 × 1,5	22,0	490,0	1048
0115589	42 × 1,5	23,8	605,0	1298
0115590	50 × 1,5	29,1	720,0	1520
0115591	61 × 1,5	32,4	878,0	1850
0115592	65 × 1,5	33,6	936,0	1970
0115620 OZ	2 × 2,5	8,6	48	128
0115621	3 × 2,5	9,3	72	160
0115622	4 × 2,5	10,3	96	200
0115623	5 × 2,5	11,5	120	268
0115624	7 × 2,5	13,4	168	357
0115625	12 × 2,5	17,0	288	571
0115626	14 × 2,5	18,5	336	612
0115627	18 × 2,5	20,0	432	800
0115628	25 × 2,5	24,4	600	1100
0115630 OZ	2 × 4	10,4	77	190
0115631	3 × 4	11,2	115	250
0115632	4 × 4	12,5	154	320
0115633	5 × 4	13,8	192	400

Part No.	Number of cores x core cross-section [mm ²]	Approx. outer Ø [mm]	Copper weight [kg/km]	Approx. cable weight [kg/km]
0115634	7 × 4	15,6	269	550
0115636	3 × 6	13,0	173	350
0115637	4 × 6	14,7	230	500
0115638	5 × 6	16,0	288	580
0115639	7 × 6	17,5	403	800
0115641	3 × 10	17,4	288	660
0115642	4 × 10	19,0	384	750
0115643	5 × 10	21,3	480	990
0115644	7 × 10	23,6	672	1300
0115645	4 × 16	23,2	614	1200
0115646	5 × 16	25,6	768	1500
0115647	7 × 16	33,0	1075	1900
0115648	4 × 25	34,0	960	1700
0115649	4 × 35	37,0	1344	2300
0115650	4 × 50	44,0	1920	2500
0115651	4 × 70	53,0	2688	4600
0115652	4 × 95	59,0	3648	6400