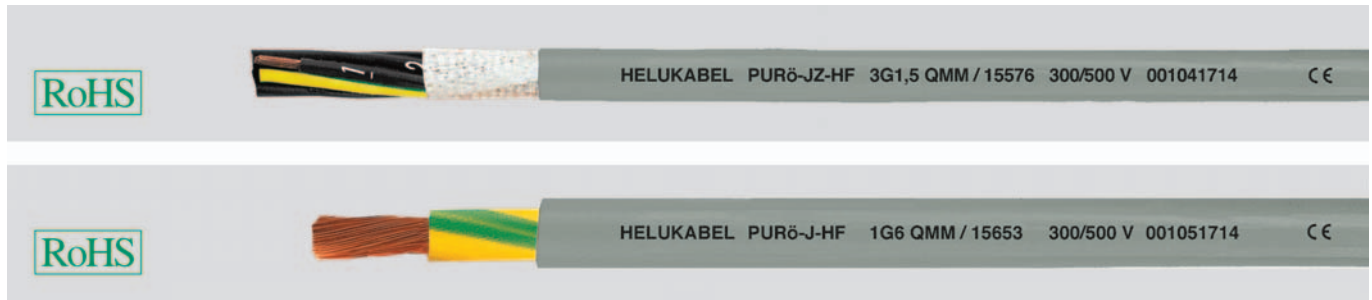


# PURö-JZ-HF high flexible, cable for drag chains, abrasion and coolant resistant, meter marking



## Technical data

- Special polyurethane control cable adapted to DIN VDE 0285-525-1/ DIN EN 50525-1
- **Temperature range**  
flexing -20°C to +80°C  
fixed installation -40°C to +80°C
- **Nominal voltage** U<sub>0</sub>/U 300/500 V
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Minimum bending radius**  
flexing 7,5x cable Ø  
fixed installation 4x cable Ø
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)

## Cable structure

- Bare copper, extra fine wire conductors, bunch stranded to DIN VDE 0295 cl.6, BS 6360 cl.6 and IEC 60228 cl.6
- **Oil resistant** PVC core insulation, TI2 in adapted to DIN VDE 0207-363-3 / DIN EN 50363-3, for better sliding abilities
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal selected lay-length
- Core wrapping with fleece
- Outer sheath of special **full-polyurethane** TMPU, to DIN VDE 0207-363-10-2/ DIN EN 50363-10-2
- Colour grey (RAL 7001)
- with meter marking

## Properties

- Suitable for outdoor lying and resistant to UV-radiation, oxygen, ozone and hydrolysis. Conditionally resistant to microbes
- Adhesion-low
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- G = with green-yellow conductor  
x = without green-yellow conductor (OZ)
- Cross-linked types also available on request.
- screened analogue type:  
**PURö-JZ-HF-YCP**, confer page 172

## Application

PURö-JZ-HF is an extremely robust cable noted for its good tear and abrasion resistance. Due to its good performance with mineral oils and especially in connection with coolants, this cable is well suited for use in the machinery, tool making and steel industries in critical areas. Its high abrasion resistance and good flexing ability make it quick and easy to install and, with its low bending radius, ideal for use with cable trays. For applications which go beyond standard solutions (for example for composting appliances or high shelf conveyors with extremely high processing speeds etc.) we recommend for our especially developed enquiry sheet for energy guiding systems. Before installation in cable trays please read the instructions. Further technical details see selection table for drag chain cables, see lead text.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.	Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
15520	2 x 0,5	5,5	9,6	45,0	20	15556	2 x 1	6,3	19,2	64,0	18
15521	3 G 0,5	6,0	14,4	56,0	20	15557	3 G 1	6,6	29,0	83,0	18
15522	4 G 0,5	6,4	19,1	69,0	20	15558	4 G 1	7,1	38,5	113,0	18
15523	5 G 0,5	6,9	24,0	92,0	20	15559	5 G 1	7,8	48,0	137,0	18
15524	7 G 0,5	7,9	33,6	126,0	20	15560	7 G 1	9,0	67,0	191,0	18
16161	7 x 0,5	7,8	33,6	126,0	20	15561	8 G 1	9,9	77,0	218,0	18
15525	8 G 0,5	8,6	38,0	136,0	20	15562	10 G 1	11,1	96,0	251,0	18
15526	10 G 0,5	9,7	48,0	158,0	20	15563	12 G 1	11,1	115,0	294,0	18
15527	12 G 0,5	9,9	58,0	176,0	20	15564	14 G 1	12,1	134,0	337,0	18
15528	14 G 0,5	10,4	67,0	212,0	20	15565	18 G 1	13,6	173,0	420,0	18
15529	18 G 0,5	11,4	86,4	283,0	20	15566	21 G 1	14,2	196,0	504,0	18
15530	21 G 0,5	12,1	96,0	310,0	20	15567	25 G 1	16,1	240,0	600,0	18
15531	25 G 0,5	13,5	120,0	330,0	20	15568	32 G 1	17,6	308,0	732,0	18
15532	30 G 0,5	14,2	144,0	390,0	20	15569	34 G 1	18,4	326,0	776,0	18
15533	34 G 0,5	15,2	163,0	420,0	20	15570	41 G 1	19,7	394,0	925,0	18
15534	42 G 0,5	16,2	202,0	500,0	20	15571	42 G 1	19,7	403,0	949,0	18
15535	50 G 0,5	18,0	240,0	580,0	20	15572	50 G 1	21,7	480,0	1092,0	18
15538	2 x 0,75	6,0	14,4	57,0	19	15573	65 G 1	30,9	624,0	1400,0	18
15539	3 G 0,75	6,3	21,6	72,0	19	15575	2 x 1,5	6,8	29,0	90,0	16
15540	4 G 0,75	6,8	29,0	97,0	19	15576	3 G 1,5	7,2	43,0	117,0	16
15541	5 G 0,75	7,4	36,0	119,0	19	15577	4 G 1,5	7,7	58,0	147,0	16
15542	7 G 0,75	8,7	50,0	165,0	19	15578	5 G 1,5	8,6	72,0	181,0	16
15543	8 G 0,75	9,5	58,0	189,0	19	15579	7 G 1,5	10,3	101,0	274,0	16
15544	10 G 0,75	10,7	72,0	214,0	19	15580	8 G 1,5	11,0	115,0	313,0	16
15545	12 G 0,75	10,9	86,0	247,0	19	15581	10 G 1,5	12,7	144,0	344,0	16
15546	14 G 0,75	11,5	101,0	283,0	19	15582	12 G 1,5	12,7	173,0	391,0	16
15547	18 G 0,75	12,7	130,0	356,0	19	15583	14 G 1,5	13,4	202,0	457,0	16
15548	21 G 0,75	13,4	151,0	502,0	19	15584	18 G 1,5	15,1	259,0	589,0	16
15549	25 G 0,75	15,0	180,0	698,0	19	15585	21 G 1,5	16,2	302,0	680,0	16
15550	30 G 0,75	15,8	216,0	720,0	19	15586	25 G 1,5	18,0	360,0	801,0	16
15551	34 G 0,75	17,2	245,0	770,0	19	15587	30 G 1,5	18,7	410,0	938,0	16
15552	42 G 0,75	18,5	302,0	840,0	19	15588	34 G 1,5	20,6	490,0	1048,0	16
15553	50 G 0,75	20,1	360,0	990,0	19	15589	42 G 1,5	22,4	605,0	1290,0	16

Continuation ▶

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Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
15590	50 G 1,5	24,2	720,0	1520,0	16
15591	61 G 1,5	32,4	889,0	1850,0	16
15592	65 G 1,5	33,6	940,0	1970,0	16
15620	2 x 2,5	8,5	48,0	128,0	14
15621	3 G 2,5	9,0	72,0	160,0	14
15622	4 G 2,5	9,9	96,0	200,0	14
15623	5 G 2,5	11,0	120,0	268,0	14
15624	7 G 2,5	12,8	168,0	357,0	14
15625	12 G 2,5	16,2	288,0	571,0	14
15626	14 G 2,5	17,1	336,0	612,0	14
15627	18 G 2,5	19,1	432,0	800,0	14
15628	25 G 2,5	22,8	600,0	1100,0	14
15630	2 x 4	10,1	77,0	190,0	12
15631	3 G 4	10,9	115,0	250,0	12
15632	4 G 4	12,0	154,0	320,0	12
15633	5 G 4	13,4	192,0	400,0	12
15634	7 G 4	16,0	269,0	550,0	12
15653	1 G 6	7,3	58,0	81,0	10
15636	3 G 6	12,8	173,0	350,0	10

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
15637	4 G 6	13,9	230,0	500,0	10
15638	5 G 6	15,4	288,0	580,0	10
15639	7 G 6	18,0	403,0	800,0	10
15654	1 G 10	8,9	96,0	152,0	8
15641	3 G 10	16,2	288,0	660,0	8
15642	4 G 10	18,1	384,0	750,0	8
15643	5 G 10	20,3	480,0	990,0	8
15644	7 G 10	24,3	672,0	1300,0	8
15655	1 G 16	10,0	154,0	215,0	6
15645	4 G 16	21,1	614,0	1200,0	6
15646	5 G 16	23,5	768,0	1500,0	6
15647	7 G 16	28,7	1075,0	1900,0	6
15656	1 G 25	11,1	240,0	320,0	4
15648	4 G 25	34,0	960,0	1700,0	4
15649	4 G 35	37,0	1344,0	2300,0	2
15650	4 G 50	44,0	1920,0	2500,0	1
15651	4 G 70	53,0	2688,0	4600,0	2/0
15652	4 G 95	59,0	3648,0	6400,0	3/0

Dimensions and specifications may be changed without prior notice. (RC02)



Suitable Cable drag chains can be found in our Cable Accessories catalogue.