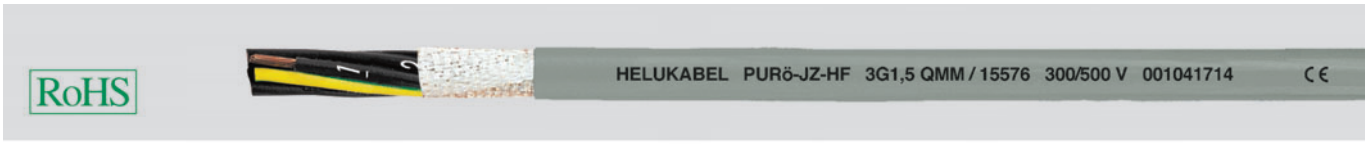
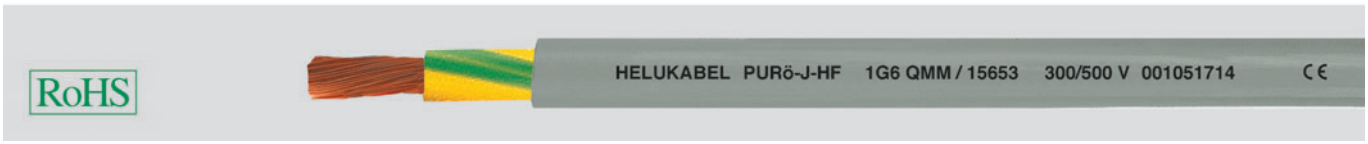
PURÖ-JZ-HF high flexible, cable for drag chains, abrasion and coolant resistant, meter marking





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Technical data

- Special polyurethane control cable adapted to DIN VDE 0281, 0282
- **Temperature range**
  flexing -5 °C to +80 °C
  fixed installation -40 °C to +80 °C
- **Nominal voltage** U_0/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 100x10^6 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 0281 part 1, for better sliding abilities
- Black cores with continuous white numbering to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal selected lay-length
- Core wrapping with fleece
- Special **full-polyurethane** outer jacket TMPU, to DIN VDE 0282 part 10, appendix A
- Colour grey (RAL 7001)
- with meter marking, change-over in 2011

Properties

- Suitable for outdoor lying and resistant to UV-radiation, oxygen, ozone and hydrolysis. Conditionally resistant to microbes
- Adhesion-low
- Flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

Note

- G = with green-yellow earth core;
  x = without green-yellow earth core (OZ).
- Cross-linked types also available on request.
- screened analogue type:
  PURÖ-JZ-HF-YCP see page C 17

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/EG.

Part no.	No.cores x cross-sec. mm²	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
15521	3 G 0,5	6,0	14,4	56,0	20
15522	4 G 0,5	6,4	19,1	69,0	20
15523	5 G 0,5	6,9	24,0	92,0	20
15524	7 G 0,5	7,9	33,6	126,0	20
16161	7 x 0,5	7,8	33,6	126,0	20
15525	8 G 0,5	8,6	38,0	136,0	20
15526	10 G 0,5	9,7	48,0	158,0	20
15527	12 G 0,5	9,9	58,0	176,0	20
15528	14 G 0,5	10,4	67,0	212,0	20
15529	18 G 0,5	11,4	86,4	283,0	20
15530	21 G 0,5	12,1	96,0	310,0	20
15531	25 G 0,5	13,5	120,0	330,0	20
15532	30 G 0,5	14,2	144,0	390,0	20
15533	34 G 0,5	15,2	163,0	420,0	20
15534	42 G 0,5	16,2	202,0	500,0	20
15535	50 G 0,5	18,0	240,0	580,0	20
15538	2 x 0,75	6,0	14,4	57,0	18
15539	3 G 0,75	6,3	21,6	72,0	18
15540	4 G 0,75	6,8	29,0	97,0	18
15541	5 G 0,75	7,4	36,0	119,0	18
15542	7 G 0,75	8,7	50,0	165,0	18
15543	8 G 0,75	9,5	58,0	189,0	18
15544	10 G 0,75	10,7	72,0	214,0	18
15545	12 G 0,75	10,9	86,0	247,0	18
15546	14 G 0,75	11,5	101,0	283,0	18
15547	18 G 0,75	12,7	130,0	356,0	18
15548	21 G 0,75	13,4	151,0	502,0	18
15549	25 G 0,75	15,0	180,0	698,0	18
15550	30 G 0,75	15,8	216,0	720,0	18
15551	34 G 0,75	17,2	245,0	770,0	18
15552	42 G 0,75	18,5	302,0	840,0	18
15553	50 G 0,75	20,1	360,0	990,0	18

Part no.	No.cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
15556	2 x 1	6,3	19,2	64,0	17
15557	3 G 1	6,6	29,0	83,0	17
15558	4 G 1	7,1	38,5	113,0	17
15559	5 G 1	7,8	48,0	137,0	17
15560	7 G 1	9,0	67,0	191,0	17
15561	8 G 1	9,9	77,0	218,0	17
15562	10 G 1	11,1	96,0	251,0	17
15563	12 G 1	11,1	115,0	294,0	17
15564	14 G 1	12,1	134,0	337,0	17
15565	18 G 1	13,6	173,0	420,0	17
15566	21 G 1	14,2	196,0	504,0	17
15567	25 G 1	16,1	240,0	600,0	17
15568	32 G 1	17,6	308,0	732,0	17
15569	34 G 1	18,4	326,0	776,0	17
15570	41 G 1	19,7	394,0	925,0	17
15571	42 G 1	19,7	403,0	949,0	17
15572	50 G 1	21,7	480,0	1092,0	17
15573	65 G 1	30,9	624,0	1400,0	17
15575	2 x 1,5	6,8	29,0	90,0	16
15576	3 G 1,5	7,2	43,0	117,0	16
15577	4 G 1,5	7,7	58,0	147,0	16
15578	5 G 1,5	8,6	72,0	181,0	16
15579	7 G 1,5	10,3	101,0	274,0	16
15580	8 G 1,5	11,0	115,0	313,0	16
15581	10 G 1,5	12,7	144,0	344,0	16
15582	12 G 1,5	12,7	173,0	391,0	16
15583	14 G 1,5	13,4	202,0	457,0	16
15584	18 G 1,5	15,1	259,0	589,0	16
15585	21 G 1,5	16,2	302,0	680,0	16
15586	25 G 1,5	18,0	360,0	801,0	16
15587	30 G 1,5	18,7	410,0	938,0	16
15588	34 G 1,5	20,6	490,0	1048,0	16
15589	42 G 1,5	22,4	605,0	1290,0	16

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