

PUR-750 halogen-free, meter marking



HELUKABEL PUR-750 3G2,5 QMM / 49733 450/750 V 001041930 CE



Technical data

- Special PUR cables adapted to DIN VDE 0282 part 10
- **Temperature range** flexing
-40 °C to +80 °C
(up to +100 °C for short periods)
- **Nominal voltage**
U₀/U 300/500 V up to 1 mm²
U₀/U 450/750 V as of 1,5 mm²
- **Test voltage**
2000 V up to 1 mm²
2500 V as of 1,5 mm²
- **Insulation resistance**
min. 20 MΩm x km
- **Tensile strength** 20 N/mm² (Cu)
- **Minimum bending radius**
flexing 10xcable ø
fixed installation 5x cable ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable structure

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- PUR core insulation
- Colour coded to DIN VDE 0293-308 and as of 6 cores number coded
- For two cores: brown, blue
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- PUR outer jacket halogen-free
- Sheath colour orange (RAL 2004)
- with meter marking, change-over in 2011

Properties

- High flexibility at low temperature
- Usable for foodstuffs
- High abrasion resistance
- **Resistant to**
Oils and fats
Non-alcoholic fuels and kerosene
Atmospheric influences, UV-radiation
Oxygene and ozone
Microbes and rotting
Sea and waste water, vibrations
- 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).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

Especially suited for installation in all areas demanding good performance under extreme conditions. These cable types have been successfully in use in areas such as steel works, heating and air-conditioning systems, in machinery and industrial plant equipment and on building sites etc.

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

Part no.	No.cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
49700	2 x 0,75	6,3	15,0	44,0	18
49701	3 G 0,75	6,8	22,0	55,0	18
49702	4 G 0,75	7,4	29,0	70,0	18
49703	5 G 0,75	8,3	36,0	91,0	18
49704	7 G 0,75	9,7	50,0	130,0	18
49705	12 G 0,75	12,1	86,0	192,0	18
49706	18 G 0,75	14,2	130,0	290,0	18
49707	25 G 0,75	17,6	180,0	405,0	18
49708	2 x 1	6,8	20,0	50,0	17
49709	3 G 1	7,2	29,0	65,0	17
49710	4 G 1	7,8	38,0	87,0	17
49711	5 G 1	8,7	48,0	106,0	17
49712	6 G 1	9,5	58,0	135,0	17
49713	7 G 1	10,2	67,0	160,0	17
49714	8 G 1	11,2	77,0	185,0	17
49715	10 G 1	12,6	96,0	210,0	17
49716	12 G 1	12,8	115,0	240,0	17
49717	16 G 1	14,3	154,0	310,0	17
49718	18 G 1	15,3	173,0	353,0	17
49719	20 G 1	16,2	192,0	390,0	17
49720	25 G 1	18,8	240,0	495,0	17
49721	2 x 1,5	8,2	29,0	70,0	16
49722	3 G 1,5	8,7	43,0	95,0	16
49723	4 G 1,5	9,7	58,0	120,0	16
49724	5 G 1,5	10,6	72,0	164,0	16
49725	7 G 1,5	12,8	101,0	210,0	16
49726	10 G 1,5	15,5	150,0	290,0	16
49727	12 G 1,5	15,8	172,0	340,0	16
49728	16 G 1,5	17,9	230,0	440,0	16
49729	18 G 1,5	19,0	259,0	508,0	16
49730	20 G 1,5	20,0	300,0	560,0	16
49731	25 G 1,5	23,5	360,0	722,0	16
49732	2 x 2,5	9,8	48,0	110,0	14
49733	3 G 2,5	10,5	72,0	150,0	14
49734	4 G 2,5	11,6	96,0	180,0	14
49735	5 G 2,5	13,0	120,0	240,0	14
49736	7 G 2,5	15,5	168,0	340,0	14
49737	12 G 2,5	19,3	288,0	520,0	14
49738	16 G 2,5	21,6	394,0	680,0	14

Part no.	No.cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
49739	18 G 2,5	23,0	432,0	778,0	14
49740	20 G 2,5	24,4	480,0	860,0	14
49741	25 G 2,5	28,5	600,0	1083,0	14
49742	3 G 4	12,2	115,0	220,0	12
49743	4 G 4	13,4	154,0	280,0	12
49744	5 G 4	15,1	192,0	350,0	12
49745	7 G 4	18,2	269,0	470,0	12
49746	4 G 6	15,8	230,0	400,0	10
49747	5 G 6	17,5	288,0	500,0	10
49748	7 G 6	21,0	405,0	700,0	10
49749	4 G 10	20,6	384,0	640,0	8
49750	5 G 10	22,7	480,0	800,0	8
49751	7 G 10	26,6	672,0	1180,0	8
49752	4 G 16	23,6	614,0	920,0	6
49753	5 G 16	26,2	768,0	1180,0	6
49754	4 G 25	29,4	960,0	1400,0	4
49755	5 G 25	32,7	1200,0	1740,0	4
49756	4 G 35	33,1	1344,0	1870,0	2
49757	5 G 35	36,8	1680,0	2320,0	2
49758	4 G 50	38,4	1920,0	2700,0	1
49759	5 G 50	43,0	2400,0	3300,0	1
49760	4 G 70	44,0	2688,0	3700,0	2/0
49761	5 G 70	49,5	3660,0	4900,0	2/0
49918	4 G 95	51,2	3648,0	4850,0	3/0
49762	5 G 95	57,5	4560,0	6000,0	3/0
49763	4 G 120	55,0	4610,0	6005,0	4/0

Dimensions and specifications may be changed without prior notice. (RA02)

Yö-C-PURÖ-JZ tear and coolant resistant, Cu-screened, with inner sheath, increased oil resistant, EMC-preferred type, meter marking



Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
21451	2 x 1	7,7	54,0	98,0	17
21452	3 G 1	8,0	64,0	102,0	17
21453	4 G 1	8,6	76,0	145,0	17
21454	5 G 1	9,1	89,0	170,0	17
21456	7 G 1	11,0	114,0	220,0	17
21457	8 G 1	11,6	130,0	270,0	17
21458	10 G 1	12,6	156,0	350,0	17
21459	12 G 1	13,1	186,0	350,0	17
21460	14 G 1	13,8	198,0	402,0	17
21461	16 G 1	14,6	214,0	420,0	17
21462	18 G 1	15,6	284,0	515,0	17
21463	20 G 1	16,4	325,0	545,0	17
21465	25 G 1	18,9	387,0	690,0	17
21468	34 G 1	20,9	500,0	912,0	17
21469	41 G 1	22,3	578,0	1070,0	17
21470	50 G 1	24,6	681,0	1318,0	17
21474	2 x 1,5	8,2	64,0	150,0	16
21475	3 G 1,5	8,6	82,0	152,0	16
21476	4 G 1,5	9,3	99,0	167,0	16
21477	5 G 1,5	10,4	123,0	203,0	16
21479	7 G 1,5	12,0	148,0	305,0	16
21480	8 G 1,5	12,9	172,0	355,0	16
21481	10 G 1,5	14,2	198,0	422,0	16
21482	12 G 1,5	14,6	274,0	435,0	16
21483	14 G 1,5	15,4	294,0	480,0	16
21484	16 G 1,5	16,1	318,0	525,0	16
21485	18 G 1,5	17,2	386,0	642,0	16
21487	21 G 1,5	19,0	447,0	722,0	16
21489	25 G 1,5	20,8	531,0	803,0	16
21492	34 G 1,5	23,2	671,0	1068,0	16
21494	42 G 1,5	26,1	890,0	1370,0	16
21495	50 G 1,5	27,4	997,0	1677,0	16
21499	2 x 2,5	9,8	110,0	180,0	14
21500	3 G 2,5	10,7	148,0	215,0	14
21501	4 G 2,5	11,4	169,0	268,0	14
21502	5 G 2,5	12,5	220,0	349,0	14
21503	7 G 2,5	14,9	284,0	406,0	14
21504	12 G 2,5	18,4	470,0	720,0	14

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
21507	2 x 4	12,0	124,0	300,0	12
21508	3 G 4	12,6	178,0	340,0	12
21509	4 G 4	14,2	234,0	408,0	12
21510	5 G 4	15,6	284,0	504,0	12
21511	7 G 4	17,1	321,0	640,0	12
21512	3 G 6	14,8	245,0	453,0	10
21513	4 G 6	16,1	316,0	560,0	10
21514	5 G 6	18,0	442,0	700,0	10
21515	7 G 6	19,6	530,0	905,0	10
21516	3 G 10	18,2	367,0	750,0	8
21517	4 G 10	20,3	549,0	1023,0	8
21518	5 G 10	22,4	604,0	1114,0	8
21519	7 G 10	24,7	820,0	1505,0	8
21521	4 G 16	23,4	807,0	1385,0	6
21522	5 G 16	26,0	940,0	1550,0	6
21524	4 G 25	29,7	1169,0	1894,0	4
21525	5 G 25	33,0	1420,0	2272,0	4
21526	4 G 35	33,9	1680,0	2395,0	2
21527	5 G 35	37,5	2020,0	2890,0	2
21528	4 G 50	39,0	2370,0	3312,0	1
21529	5 G 50	43,4	2880,0	4100,0	1
21530	4 G 70	46,6	3257,0	4605,0	2/0
21531	5 G 70	51,1	4032,0	5710,0	2/0
21532	4 G 95	50,9	4060,0	6055,0	3/0
21533	5 G 95	55,9	5244,0	7520,0	3/0
21534	4 G 120	55,5	5231,0	7318,0	4/0

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