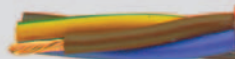


**PUR-750** halogen-free, meter marking

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

CE

**Technical data**

- Special-PUR control cable adapted to DIN VDE 0285-525-2-21 / DIN EN 50525-2-21
- **Temperature range**  
flexing -40°C to +80°C  
(up to +100°C for short periods)
- **Nominal voltage**  
up to 1 mm<sup>2</sup> U<sub>0</sub>/U 300/500 V  
from 1,5 mm<sup>2</sup> U<sub>0</sub>/U 450/750 V
- **Test voltage**  
up to 1 mm<sup>2</sup> 2000 V  
from 1,5 mm<sup>2</sup> 2500 V
- **Insulation resistance**  
min. 20 MOhm x km
- **Minimum bending radius**  
flexing 10x cable Ø  
fixed installation 5x cable Ø
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)

**Cable structure**

- Bare copper-conductor, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation PUR
- Core identification to DIN VDE 0293-308
  - for 2 cores, BN, BU
  - up to 5 cores coloured
  - from 6 cores, black with continuous white numbering
- GN-YE conductor, 3 cores and above in the outer layer
- Cores stranded in layers with optimal lay-length
- Outer sheath of halogen-free PUR
- Sheath colour orange (RAL 2004)
- with meter marking

**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 conductor
- x = without green-yellow conductor (OZ)
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

**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/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.
49700	2 x 0,75	6,3	15,0	44,0	19
49701	3 G 0,75	6,8	22,0	55,0	19
49702	4 G 0,75	7,4	29,0	70,0	19
49703	5 G 0,75	8,3	36,0	91,0	19
49704	7 G 0,75	9,7	50,0	130,0	19
49705	12 G 0,75	12,1	86,0	192,0	19
49706	18 G 0,75	14,2	130,0	290,0	19
49707	25 G 0,75	17,6	180,0	405,0	19
49708	2 x 1	6,8	20,0	50,0	18
49709	3 G 1	7,2	29,0	65,0	18
49710	4 G 1	7,8	38,0	87,0	18
49711	5 G 1	8,8	48,0	106,0	18
49712	6 G 1	9,5	58,0	135,0	18
49713	7 G 1	10,4	67,0	160,0	18
49714	8 G 1	11,4	77,0	185,0	18
49715	10 G 1	12,8	96,0	210,0	18
49716	12 G 1	12,8	115,0	240,0	18
49717	16 G 1	14,4	154,0	310,0	18
49718	18 G 1	15,3	173,0	353,0	18
49719	20 G 1	16,4	192,0	390,0	18
49720	25 G 1	18,8	240,0	495,0	18
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	15,8	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	18,8	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 <sup>2</sup>	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	17,3	288,0	500,0	10
49748	7 G 6	21,0	403,0	700,0	10
49749	4 G 10	20,4	384,0	640,0	8
49750	5 G 10	22,5	480,0	800,0	8
49751	7 G 10	26,6	672,0	1180,0	8
49752	4 G 16	23,3	614,0	920,0	6
49753	5 G 16	25,9	768,0	1180,0	6
49754	4 G 25	27,3	960,0	1400,0	4
49755	5 G 25	30,4	1200,0	1740,0	4
49756	4 G 35	31,0	1344,0	1870,0	2
49757	5 G 35	34,8	1680,0	2320,0	2
49758	4 G 50	36,8	1920,0	2700,0	1
49759	5 G 50	41,2	2400,0	3300,0	1
49760	4 G 70	43,2	2688,0	3700,0	2/0
49761	5 G 70	48,2	3660,0	4900,0	2/0
49918	4 G 95	48,7	3648,0	4850,0	3/0
49762	5 G 95	54,5	4560,0	6000,0	3/0
49763	4 G 120	54,9	4610,0	6005,0	4/0

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