

# 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**  
U<sub>0</sub>/U 300/500 V up to 1 mm<sup>2</sup>  
U<sub>0</sub>/U 450/750 V as of 1,5 mm<sup>2</sup>
- **Test voltage**  
2000 V up to 1 mm<sup>2</sup>  
2500 V as of 1,5 mm<sup>2</sup>
- **Insulation resistance**  
min. 20 MΩm x km
- **Tensile strength** 20 N/mm<sup>2</sup> (Cu)
- **Minimum bending radius**  
flexing 10xcable Ø  
fixed installation 5x cable Ø
- **Radiation resistance**  
up to 100x10<sup>6</sup> 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 2009

## 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  
Oxygen 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 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/EG.

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø app. mm	Cop. weight kg / km	Weight app. 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	17,8	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

Part No.	No. cores x cross-sec. mm <sup>2</sup>	Outer ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
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
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	403,0	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)