



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



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 mm² U₀/U 300/500 V
from 1,5 mm² U₀/U 450/750 V
- **Test voltage**
up to 1 mm² 2000 V
from 1,5 mm² 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 100x10⁶ 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
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 conductor
x = without green-yellow conductor (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/EC.

Part no.	No. cores x cross-sec. mm ²	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	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 ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. 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)