



Technical data

- Special PVC/PUR 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** U₀/U 300/500 V
- **Test voltage** 3000 V
- **Breakdown voltage** min. 6000 V
- **Insulation resistance**
min. 20 MΩm x km
- **Minimum bending radius**
flexing 7,5x cable ø
fixed installation 4x cable ø
- **Radiation resistance**
up to 100x10⁶ cJ/kg (up to 100 Mrad)

Cable structure

- Bare copper conductor, fine wire stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation TI2, according to DIN VDE 0281 part 1
- Cores numbered or colored according to DIN VDE 0293-308
- For 2-cores cable without green-yellow earth core, core colours brown, blue black
- cores with continuous white numbering and green-yellow earth core (up to 7 cores) or cores colour coded with green-yellow earth core (up to 5 cores)
- Cores stranded in layers with optimal lay-length
- PVC-inner jacket guarantees a good insulation cut-back
- PUR-outer jacket TPU, to DIN EN 50363-10-2
- Colour orange (RAL 2003)
- with meter marking, change-over in 2011

Properties

- High flexibility at low temperature
- 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/OB).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

Robust control cable with an outstanding resistance to oil and abrasion. Suitable for use in tool making and machine industries, steel works, on building sites and in the oil and coal industries. The cable can also be used for portable tools etc. To be recommended if the cable comes into contact with chemical agents.

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

PUR-jacket orange, cores numbered OZ/JZ

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22001	2 x 0,75	6,4	14,4	50,0	18
22002	3 G 0,75	6,8	21,6	70,0	18
22003	4 G 0,75	7,3	28,8	80,0	18
22004	5 G 0,75	8,2	36,0	100,0	18
22005	7 G 0,75	9,2	50,0	140,0	18
22006	2 x 1	7,2	19,2	63,0	17
22007	3 G 1	7,6	29,0	76,0	17
22008	4 G 1	8,0	38,0	95,0	17
22009	5 G 1	8,8	48,0	120,0	17
22010	7 G 1	10,0	67,0	170,0	17
22015	2 x 1,5	7,8	29,0	80,0	16
22016	3 G 1,5	8,3	43,0	105,0	16
22017	4 G 1,5	9,0	58,0	135,0	16
22018	5 G 1,5	9,7	72,0	158,0	16
22019	7 G 1,5	11,2	101,0	221,0	16
22025	2 x 2,5	9,2	48,0	150,0	14
22026	3 G 2,5	9,6	72,0	173,0	14
22027	4 G 2,5	11,0	96,0	203,0	14
22028	5 G 2,5	12,0	120,0	253,0	14
22029	7 G 2,5	13,7	168,0	356,0	14
22033	3 G 4	11,8	115,0	250,0	12
22034	4 G 4	13,2	154,0	300,0	12
22035	5 G 4	14,8	192,0	370,0	12
22036	7 G 4	16,4	269,0	500,0	12
22037	4 G 6	15,4	230,0	480,0	10
22038	5 G 6	17,0	288,0	583,0	10
22039	7 G 6	20,8	403,0	780,0	10
22040	4 G 10	20,8	384,0	740,0	8
22041	5 G 10	22,6	480,0	920,0	8
22042	4 G 16	23,0	614,0	1100,0	6
22043	5 G 16	27,4	768,0	1400,0	6

PUR-jacket orange OB/JB, cores colour coded to DIN VDE 0293

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
22250	2 x 0,75	6,4	14,4	50,0	18
22251	3 G 0,75	6,8	21,6	70,0	18
22252	4 G 0,75	7,3	28,8	80,0	18
22253	5 G 0,75	8,2	36,0	100,0	18
22254	2 x 1	7,2	19,2	63,0	17
22255	3 G 1	7,6	29,0	76,0	17
22256	4 G 1	8,0	38,0	95,0	17
22257	5 G 1	8,8	48,0	120,0	17
22258	2 x 1,5	7,8	29,0	80,0	16
22259	3 G 1,5	8,3	43,0	105,0	16
22260	4 G 1,5	9,0	58,0	135,0	16
22261	5 G 1,5	9,7	72,0	158,0	16
22262	2 x 2,5	9,2	48,0	150,0	14
22263	3 G 2,5	9,6	72,0	173,0	14
22264	4 G 2,5	11,0	96,0	203,0	14
22265	5 G 2,5	12,0	120,0	253,0	14
22266	4 G 4	13,2	154,0	300,0	12
22267	5 G 4	14,8	192,0	370,0	12
22268	4 G 6	15,4	230,0	480,0	10
22269	5 G 6	17,0	288,0	583,0	10
22270	4 G 10	20,8	384,0	740,0	8
22271	5 G 10	22,6	480,0	920,0	8
22272	4 G 16	23,0	614,0	1100,0	6
22273	5 G 16	27,4	768,0	1400,0	6
22044	4 G 25	30,0	960,0	1600,0	4
22045	5 G 25	32,2	1200,0	2000,0	4
22046	4 G 35	33,0	1344,0	2100,0	2

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