



## 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** U<sub>0</sub>/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 100x10<sup>6</sup> Cj/kg (up to 100 Mrad)

## Cable construction

- Bare copper, fine wire conductors, bunch stranded to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation TI2, to DIN VDE 0281 part 1
- Cores colour identification: cores with number or colour coded to DIN VDE 0293-308
- For 2-cores cable without green-yellow earth core, core colours brown, blue black
- Cores stranded in layers with optimal lay-length
- PVC-inner-sheath guarantees easy cable stripping
- PUR-outer jacket TPU, to DIN VDE 0282 part 10, appendix A
- Colour orange (RAL 2003)

## 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 mm<sup>2</sup>.

## 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.

CE = The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

### PUR-jacket orange, cores numbered OZ/JZ

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