PUR-ORANGE high abrasion, coolant resistant, meter marking

Technical data

- Special-PVC/PUR control cable adapted to DIN VDE 0285-525-1 / DIN EN 50525-1
- **Temperature range** flexing -15°C to +80°C fixed installation -40°C to +80°C
- **Nominal voltage** U_0/U 300/500 V
- **Test voltage** 3000 V
- **Breakdown voltage** min. 6000 V
- **Insulation resistance** min. 20 MOhm 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, to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Core insulation of special PVC compound type TI2 adapted to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN VDE 0293-308 JZ/OZ-version: black cores with continuous white numbering JB/OB-version: coloured cores
- GN-YE conductor, 3 cores and above
- Cores stranded in layers with optimal lay-length
- Inner sheath of PVC guarantees easy cable stripping
- Outer sheath of PUR comapound type TMPU to DIN EN 50363-10-2
- Sheath colour orange (RAL 2003)
- with meter marking

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 conductor
  x = without green-yellow conductor (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.

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

JZ/OZ-version: cores numbered

Part no.	No.cores x cross-sec. mm²	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	19
22002	3 G 0,75	6,8	21,6	70,0	19
22003	4 G 0,75	7,3	28,8	80,0	19
22004	5 G 0,75	8,2	36,0	100,0	19
22005	7 G 0,75	9,2	50,0	140,0	19
22006	2 x 1	7,2	19,2	63,0	18
22007	3 G 1	7,6	29,0	76,0	18
22008	4 G 1	8,0	38,0	95,0	18
22009	5 G 1	8,8	48,0	120,0	18
22010	7 G 1	10,0	67,0	170,0	18
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

JB/OB-version: cores colour coded

Part no.	No.cores x cross-sec. mm²	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	19
22251	3 G 0,75	6,8	21,6	70,0	19
22252	4 G 0,75	7,3	28,8	80,0	19
22253	5 G 0,75	8,2	36,0	100,0	19
22254	2 x 1	7,2	19,2	63,0	18
22255	3 G 1	7,6	29,0	76,0	18
22256	4 G 1	8,0	38,0	95,0	18
22257	5 G 1	8,8	48,0	120,0	18
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)