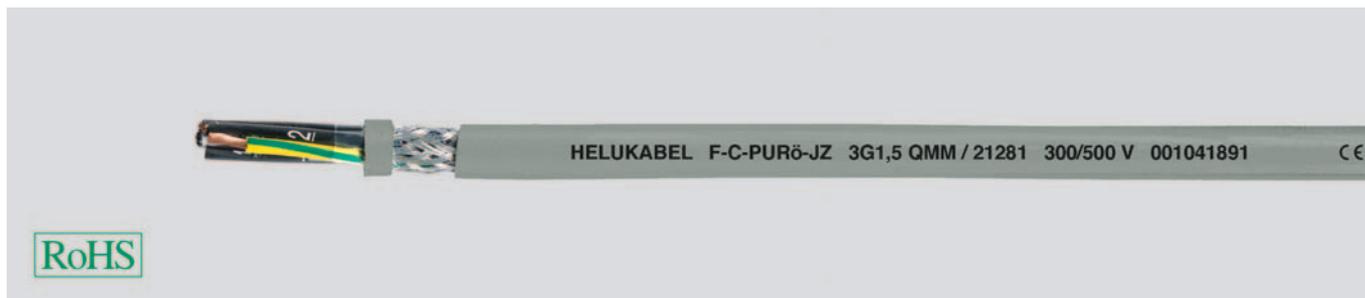


# F-C-PURÖ-JZ tear and coolant resistant, Cu-screened, without inner sheath, increased oil resistant, EMC-preferred type, meter marking



A



## Technical data

- Special polyurethane-sheathed multicore cable on the basis of E DIN VDE 0245 part 201 up to 1,5 mm<sup>2</sup>, on the basis of E DIN VDE 0245 part 102 as of 2,5 mm<sup>2</sup>
- **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
- **Minimum bending radius**  
flexing 10x cable Ø  
fixed installation 5x cable Ø
- **Radiation resistance**  
up to 100x10<sup>6</sup> cJ/kg (up to 100 Mrad)
- **Coupling resistance**  
max. 250 Ohm/km

## Cable structure

- Plain copper conductor, finely stranded, according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- **Oil resistant** PVC core insulation T12, in adapted to DIN VDE 0281 part 1, for better sliding abilities
- Cores black with sequential numbering imprinted in white according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Separating foil
- Braided screen of tinned Cu wires, coverage approx. 85%
- Fleece separator, ensure good dismantling ability
- Special **full-polyurethane** outer jacket TMPU, to DIN VDE 0282 part 10, appendix A
- Sheath colour grey (RAL 7001)
- Outer jacket also available in other colours
- with meter marking, change-over in 2009

## Properties

- **Resistant to**  
UV-Radiation  
Oxygene  
Ozone and hydrolysis  
Microbes
- self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- 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>.
- **unscreened analogue type: PURÖ-JZ**, see page A 44

## Application

Extremely robust control cable characterised by high abrasion and notch resistance properties. Used for critical areas in such applications as machinery, tooling and plant construction, in rolling mills and steel works because of the resistance to mineral oils and to coolant emulsions in particular. Rapid and safe installation assured by the good flexibility of the cable. Suitable for outdoor installation.

An interference-free transmission of signals and pulses is assured by the high screening density. The ideal interference-protected control cable for such applications as given above.

**EMC** = Electromagnetic compatibility

To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.

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.	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.
21200	2 x 0,5	5,3	35,0	44,0	20	21227	2 x 0,75	5,8	40,0	60,0	18
21201	3 G 0,5	5,6	42,0	56,0	20	21228	3 G 0,75	6,1	52,0	67,0	18
21202	4 G 0,5	6,2	47,0	60,0	20	21229	4 G 0,75	6,5	60,0	76,0	18
21203	5 G 0,5	6,5	56,0	75,0	20	21230	5 G 0,75	7,1	71,0	92,0	18
21205	7 G 0,5	7,5	69,0	97,0	20	21232	7 G 0,75	8,3	91,0	131,0	18
21207	10 G 0,5	9,0	94,0	135,0	20	21234	10 G 0,75	10,1	137,0	180,0	18
21208	12 G 0,5	9,2	108,0	158,0	20	21235	12 G 0,75	10,3	142,0	204,0	18
21209	14 G 0,5	9,9	116,0	190,0	20	21236	14 G 0,75	10,7	180,0	226,0	18
21211	18 G 0,5	10,9	145,0	218,0	20	21238	18 G 0,75	12,1	212,0	290,0	18
21213	21 G 0,5	12,1	188,0	252,0	20	21240	21 G 0,75	13,4	246,0	376,0	18
21215	25 G 0,5	13,3	240,0	315,0	20	21242	25 G 0,75	14,9	281,0	413,0	18
21217	30 G 0,5	13,7	295,0	362,0	20	21245	32 G 0,75	16,0	342,0	485,0	18
21220	36 G 0,5	15,0	318,0	447,0	20	21249	41 G 0,75	17,9	400,0	611,0	18
21221	40 G 0,5	16,2	343,0	475,0	20	21251	50 G 0,75	19,7	461,0	775,0	18
21224	50 G 0,5	17,8	406,0	572,0	20						

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

Continuation ▶

# F-C-PURÖ-JZ

tear and coolant resistant, Cu-screened, without inner sheath,  
increased oil resistant, EMC-preferred type, meter marking



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.	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.
21253	2 x 1	6,1	50,0	66,0	17	21290	14 G 1,5	12,9	283,0	384,0	16
21254	3 G 1	6,3	60,0	82,0	17	21291	16 G 1,5	13,6	315,0	425,0	16
21255	4 G 1	6,9	71,0	100,0	17	21292	18 G 1,5	14,6	374,0	480,0	16
21256	5 G 1	7,5	88,0	128,0	17	21295	21 G 1,5	16,2	425,0	563,0	16
21257	6 G 1	8,3	97,0	145,0	17	21296	25 G 1,5	17,9	526,0	704,0	16
21258	7 G 1	8,9	111,0	157,0	17	21297	34 G 1,5	20,0	629,0	870,0	16
21259	8 G 1	9,6	127,0	198,0	17	21298	42 G 1,5	21,8	819,0	1040,0	16
21261	10 G 1	10,7	150,0	230,0	17	21299	50 G 1,5	23,6	885,0	1292,0	16
21262	12 G 1	10,9	184,0	262,0	17	21300	2 x 2,5	8,2	96,0	131,0	14
21263	14 G 1	11,6	196,0	302,0	17	21301	3 G 2,5	8,6	144,0	168,0	14
21264	16 G 1	12,2	209,0	345,0	17	21302	4 G 2,5	9,6	148,0	194,0	14
21265	18 G 1	13,0	260,0	381,0	17	21303	5 G 2,5	10,6	181,0	222,0	14
21267	21 G 1	13,6	319,0	480,0	17	21304	7 G 2,5	12,6	255,0	345,0	14
21268	25 G 1	15,9	349,0	535,0	17	21305	10 G 2,5	15,1	340,0	462,0	14
21273	34 G 1	17,9	486,0	740,0	17	21306	12 G 2,5	15,5	441,0	570,0	14
21276	41 G 1	19,3	531,0	855,0	17	21313	2 x 4	10,0	120,0	187,0	12
21278	50 G 1	21,2	625,0	1027,0	17	21314	3 G 4	10,5	174,0	243,0	12
21280	2 x 1,5	6,6	63,0	87,0	16	21315	4 G 4	11,7	230,0	310,0	12
21281	3 G 1,5	6,9	80,0	102,0	16	21316	5 G 4	13,3	273,0	386,0	12
21282	4 G 1,5	7,5	97,0	127,0	16	21317	7 G 4	14,5	316,0	498,0	12
21283	5 G 1,5	8,4	119,0	159,0	16	21319	3 G 6	12,2	240,0	333,0	10
21285	7 G 1,5	10,0	147,0	207,0	16	21320	4 G 6	13,6	305,0	414,0	10
21286	8 G 1,5	10,7	170,0	245,0	16	21321	5 G 6	15,2	439,0	510,0	10
21287	10 G 1,5	11,8	193,0	313,0	16	21322	7 G 6	15,4	505,0	673,0	10
21288	12 G 1,5	12,1	267,0	340,0	16						

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