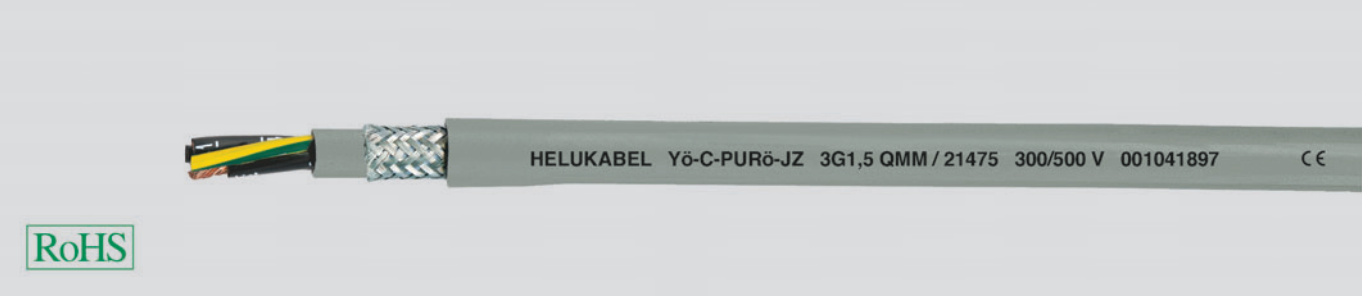
Yö-C-PURö-JZ tear and coolant resistant, Cu-screened, with inner sheath, increased oil resistant, EMC-preferred type, meter marking

ME01

A



Technical data

- Special polyurethane-sheathed multicore cable on the basis of DIN VDE 0245 part 202/03.92 up to 1,5 mm², on the basis of DIN VDE 0281 part 13 as of 2,5 mm²
- **Temperature range**
  flexing -5 °C to +80 °C
  fixed installation -40 °C to +80 °C
- **Nominal voltage** U_0/U 300/500 V
  as of cross section 4 mm²
  U_0/U 450/750 V
- **Test voltage** 4000 V
- **Breakdown voltage** min. 8000 V
- **Minimum bending radius**
  flexing 10x cable ø
  fixed installation 5x cable ø
- **Radiation resistance**
  up to 100x10⁶ 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 TI2, 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
- **Oil resistant** PVC inner sheath
- Sceen of tinned Cu braid, coverage approx. 85%
- Fleece separator, ensure good dismantling ability
- Special **full-polyurethane** outer jacket TMPU, to DIN EN 50363-10-2
- Sheath colour grey (RAL 7001)
- with meter marking, change-over in 2011

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 mm².
- 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. The mechanical strength of the cable is increased by the additional oil-resistant inner sheath. The ideal interference-protected control cable for such applications as given above. Suitable for outdoor installation.
These screened cables are particularly suitable for the interference-free transmission in instrumentation and control engineering applications (electromagnetic compatibility).
EMC = Electromagnetic compatibillity
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. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
21400	2 x 0,5	6,6	41,0	68,0	20
21401	3 G 0,5	7,1	45,0	84,0	20
21402	4 G 0,5	7,6	54,0	95,0	20
21403	5 G 0,5	8,2	66,0	107,0	20
21405	7 G 0,5	9,4	79,0	135,0	20
21407	10 G 0,5	11,2	107,0	170,0	20
21408	12 G 0,5	11,3	137,0	195,0	20
21409	14 G 0,5	11,9	142,0	222,0	20
21411	18 G 0,5	12,9	156,0	278,0	20
21413	21 G 0,5	14,7	189,0	330,0	20
21415	25 G 0,5	15,9	250,0	406,0	20
21416	30 G 0,5	16,2	297,0	520,0	20
21419	36 G 0,5	17,8	320,0	587,0	20
21420	40 G 0,5	19,1	345,0	655,0	20
21421	50 G 0,5	20,9	407,0	742,0	20

Part no.	No.cores x cross-sec. mm²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
21425	2 x 0,75	7,2	46,0	88,0	18
21426	3 G 0,75	7,7	57,0	98,0	18
21427	4 G 0,75	8,2	63,0	112,0	18
21428	5 G 0,75	8,8	76,0	130,0	18
21430	7 G 0,75	10,1	100,0	185,0	18
21432	10 G 0,75	12,2	140,0	270,0	18
21433	12 G 0,75	12,3	175,0	294,0	18
21434	14 G 0,75	13,0	190,0	317,0	18
21436	18 G 0,75	14,6	240,0	357,0	18
21438	21 G 0,75	16,0	274,0	455,0	18
21440	25 G 0,75	17,8	306,0	510,0	18
21443	32 G 0,75	18,7	349,0	688,0	18
21446	41 G 0,75	21,5	403,0	951,0	18
21447	50 G 0,75	23,1	470,0	1100,0	18

Continuation ▸