

DATAPUR-C[®] EMC-preferred type, Cu-screened, PUR-outer sheath, meter marking



HELUKABEL DATAPUR-C 7x0,34 QMM / 52516 500 V 001042057

CE



Technical data

- Special -PVC/PUR control cable adapted to DIN VDE 0285-525-1 / DIN EN 50525-1
- **Temperature range**
flexing -5°C to +80°C
fixed installation -40°C to +80°C
- **Operating peak voltage**
(not for heavy current installation purposes)
0,14 mm² 350 V
as of 0,25 mm² 500 V
- **Test voltage**
0,14 mm² 800 V
as of 0,25 mm² 1200 V
- **Insulation resistance**
min. 20 MOhm x km
- **Mutual capacitance** core/core:
up to 0,34 mm² approx. 120 nF/km
as of 0,5 mm² approx. 160 nF/km
- **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

- Bare copper-conductor, from 0,5 mm² to DIN VDE 0295 cl.5, fine-wire, BS 6360 cl.5, IEC 60228 cl.5
- Conductor construction:
0,34 mm² = 7 x 0,25 mm
- Core insulation of special PVC compound type T12 to DIN VDE 0207-363-3 / DIN EN 50363-3
- Core identification to DIN 471000
- Cores stranded in layers with optimal lay-length
- Foil wrapping
- Tinned copper braided screen, approx. 85% coverage
- Outer sheath of PUR compound type TMPU to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2
- Sheath colour grey (RAL 7032)
- with meter marking

Properties

- Chemical resistance: good against acids, lyes, hydraulic liquids
- 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

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².

Application

The specific construction of DATAPUR-C[®] makes this cable type ideal for use in all types of computer systems, office machinery, signal and control units. DATAPUR-C[®] proves its efficiency but also in the acoustic field in telecommunications, paging and intercom systems but also in the cradle of technology and in the measuring and control technology.

EMC = Electromagnetic compatibility

To optimize 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/EC.

Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.	Part no.	No. cores x cross-sec. mm ²	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
52490	2 x 0,14	3,9	12,3	21,0	26	52512	2 x 0,34	4,9	17,0	33,0	22
52491	3 x 0,14	4,0	14,0	25,0	26	52513	3 x 0,34	5,1	20,7	42,0	22
52492	4 x 0,14	4,3	15,7	29,0	26	52514	4 x 0,34	5,5	24,7	48,0	22
52493	5 x 0,14	4,7	19,5	35,0	26	52515	5 x 0,34	6,0	30,1	57,0	22
52494	7 x 0,14	5,2	23,4	41,0	26	52516	7 x 0,34	6,6	38,2	77,0	22
52495	10 x 0,14	6,5	28,5	54,0	26	52517	10 x 0,34	8,4	63,1	111,0	22
52496	12 x 0,14	6,7	34,3	64,0	26	52518	12 x 0,34	8,6	74,2	128,0	22
52497	14 x 0,14	6,9	39,9	74,0	26	52519	14 x 0,34	9,0	85,3	144,0	22
52498	18 x 0,14	7,6	51,5	93,0	26	52520	18 x 0,34	10,1	107,4	175,0	22
52499	21 x 0,14	8,4	60,1	108,0	26	52521	21 x 0,34	10,9	124,1	200,0	22
52500	25 x 0,14	9,1	71,9	128,0	26	52522	25 x 0,34	12,0	147,0	233,0	22
52501	2 x 0,25	4,3	14,7	26,0	24	52523	2 x 0,5	5,3	23,2	38,0	20
52502	3 x 0,25	4,5	17,1	33,0	24	52524	3 x 0,5	5,6	30,1	51,0	20
52503	4 x 0,25	4,8	20,6	38,0	24	52525	4 x 0,5	6,4	35,4	58,0	20
52504	5 x 0,25	5,4	24,8	44,0	24	52526	5 x 0,5	6,9	52,6	77,0	20
52505	7 x 0,25	5,8	31,1	53,0	24	52527	7 x 0,5	7,3	65,3	93,0	20
52506	10 x 0,25	7,3	42,0	79,0	24	52528	10 x 0,5	9,6	88,8	134,0	20
52507	12 x 0,25	7,5	51,0	92,0	24	52529	12 x 0,5	9,7	101,9	155,0	20
52508	14 x 0,25	8,1	60,1	105,0	24	52530	14 x 0,5	10,2	115,1	175,0	20
52509	18 x 0,25	9,1	77,9	128,0	24	52531	18 x 0,5	11,5	141,2	214,0	20
52510	21 x 0,25	9,6	91,4	148,0	24	52532	21 x 0,5	12,1	161,1	245,0	20
52511	25 x 0,25	10,6	110,8	175,0	24	52533	25 x 0,5	13,7	187,9	285,0	20

Dimensions and specifications may be changed without prior notice. (RB01)