

DATAPUR-C®

colour code DIN 47100, EMC-preferred type



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

TECHNICAL DATA

PUR data cable in alignment with DIN VDE 0285-525-1 / DIN EN 50525-1

Temperature range	flexible -5°C to +80°C fixed -40°C to +80°C
Peak operating voltage	0.14 mm ² : 350 V 0.25 - 0.5 mm ² : 500 V (not for high power current installation purposes)
Test voltage core/core:	0.14 mm ² : 800 V 0.25 - 0.5 mm ² : 1200 V
Mutual capacitance core/core	at 800 Hz 0.14 - 0.34 mm ² : approx. 120 pF/m 0.5 mm ² : approx. 160 pF/m
Coupling resistance	at 30 MHz, approx. 250 Ohm/km
Minimum bending radius	flexible 10x Outer-Ø fixed 5x Outer-Ø

CABLE STRUCTURE

- Copper wire bare, 0.5 mm²: finely stranded acc. to DIN VDE 0295 Class 5 / IEC 60228 Class 5
- Wire structure:
 - 0.14 mm²: approx. 18 x 0.10 mm
 - 0.25 mm²: approx. 14 x 0.15 mm
 - 0.34 mm²: 7 x 0.25 mm
- Core insulation: PVC acc. to DIN VDE 0207-363-3 / DIN EN 50363-3 (compound type T12)
- Core identification acc. to DIN 47100, colour coded
- x = without protective conductor
- Cores stranded in layers with optimal lay lengths
- Foil wrapping
- Screen: braided screen of tinned copper wires, approx. coverage 85%

- Foil wrapping
- Outer sheath: Special grade of full polyurethane acc. to DIN VDE 0207-363-10-2 / DIN EN 50363-10-2 (compound type TMPU)
- Sheath colour: grey (RAL 7032)
- Length marking: in metres

PROPERTIES

- resistant to: oil, UV radiation, ozone, oxygen, weathering effects, hydrolysis, microbes, coolants, hydraulic fluids, acids, alkalis, greases, seawater and wastewater
- highly abrasion-resistant, notch-resistant, tear-resistant, cut-resistant, wear-resistant, low adhesion
- for outdoor use
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- oil-resistant acc. to DIN VDE 0473-811-404 / DIN EN 60811-404 / IEC 60811-404
- UV-resistant acc. to DIN EN ISO 4892-2
- weather-resistant acc. to DIN EN ISO 4892-2

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.

NOTES

- the conductor is metrically (mm²) constructed, AWG numbers are approximated, and are for reference only

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
52490	2 x 0.14	26	3.9	12.3	21.0
52491	3 x 0.14	26	4.0	14.0	25.0
52492	4 x 0.14	26	4.3	15.7	29.0
52493	5 x 0.14	26	4.7	19.5	35.0
52494	7 x 0.14	26	5.2	23.4	41.0
52495	10 x 0.14	26	6.5	28.5	54.0
52496	12 x 0.14	26	6.7	34.3	64.0
52497	14 x 0.14	26	6.9	39.9	74.0
52498	18 x 0.14	26	7.6	51.5	93.0
52499	21 x 0.14	26	8.4	60.1	108.0
52500	25 x 0.14	26	9.1	71.9	128.0
52501	2 x 0.25	24	4.3	14.7	26.0
52502	3 x 0.25	24	4.5	17.1	33.0
52503	4 x 0.25	24	4.8	20.6	38.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
52504	5 x 0.25	24	5.4	24.8	44.0
52505	7 x 0.25	24	5.8	31.1	53.0
52506	10 x 0.25	24	7.3	42.0	79.0
52507	12 x 0.25	24	7.5	51.0	92.0
52508	14 x 0.25	24	8.1	60.1	105.0
52509	18 x 0.25	24	9.1	77.9	128.0
52510	21 x 0.25	24	9.6	91.4	148.0
52511	25 x 0.25	24	10.6	110.8	175.0
52512	2 x 0.34	22	4.9	17.0	33.0
52513	3 x 0.34	22	5.1	20.7	42.0
52514	4 x 0.34	22	5.5	24.7	48.0
52515	5 x 0.34	22	6.0	30.1	57.0
52516	7 x 0.34	22	6.6	38.2	77.0
52517	10 x 0.34	22	8.4	63.1	111.0

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Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
52518	12 x 0.34	22	8.6	74.2	128.0
52519	14 x 0.34	22	9.0	85.3	144.0
52520	18 x 0.34	22	10.1	107.4	175.0
52521	21 x 0.34	22	10.9	124.1	200.0
52522	25 x 0.34	22	12.0	147.0	233.0
52523	2 x 0.5	20	5.3	23.2	38.0
52524	3 x 0.5	20	5.6	30.1	51.0
52525	4 x 0.5	20	6.4	35.4	58.0

Part no.	No. cores x cross-sec. mm ²	AWG, approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
52526	5 x 0.5	20	6.9	52.6	77.0
52527	7 x 0.5	20	7.3	65.3	93.0
52528	10 x 0.5	20	9.6	88.8	134.0
52529	12 x 0.5	20	9.7	101.9	155.0
52530	14 x 0.5	20	10.2	115.1	175.0
52531	18 x 0.5	20	11.5	141.2	214.0
52532	21 x 0.5	20	12.1	161.1	245.0
52533	25 x 0.5	20	13.7	187.9	285.0