HELUDATA® TRONIC 2464 / 300 GREY / HELUDATA® TRONIC 2464 / 300 BLACK

UL Style 2464, 300 V, 80 °C

TECHNICAL DATA

PVC data cable acc. to UL-Std. 758 (AWM) Style 2464, CSA-Std. C22.2 No. 210 - AWM I/II A/B

Temperature range	flexible -10°C to +80°C fixed -40°C to +80°C
Nominal voltage	UL (AWM) AC 300 V
Test voltage core/core	1500 V
Breakdown voltage	3000 V
Minimum bending radius	flexible 15x Outer-Ø fixed 7.5x Outer-Ø

CABLE STRUCTURE

- Copper wire tinned, finely stranded, AWG sizes
- Wire structure:
  26 AWG: 7 x 0.162 mm
  24 AWG: 7 x 0.202 mm
  22 AWG: 7 x 0.254 mm
  20 AWG: 7 x 0.320 mm
  18 AWG: 19 x 0.235 mm
  16 AWG: 19 x 0.310 mm
- Core insulation:
  26 - 20 AWG: semirigid PVC acc. to UL-Std. 1581 Tab. 50.183
  18 - 16 AWG: PVC acc. to UL-Std. 1581 Tab. 50.182
- Core identification: see table
- x = without protective conductor
- Cores stranded in layers with optimal lay lengths
- Outer sheath: PVC acc. to UL-Std. 1581 Tab. 50.182, CSA-Std. C22.2 No. 210
- Sheath colour: see table

PROPERTIES

- resistant to: oil, solvents, acids, alkalis
- the materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

TESTS

- flame-retardant acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2, UL VW-1, CSA FT1

APPLICATION

UL-/CSA-approved, flexible data cable for use as a signal and measuring cable in machine tools, assembly lines, conveyor belts, plant construction, air conditioning devices, metallurgical plants, steel mills.

NOTES

- Conductor sizes are based on the AWG measurement system, metric conductor sizes (mm²) are approximated and are for reference only

Sheath colour: grey (RAL 7001); core identification acc. to DIN 47100, colour coded

Part no.	No. cores x AWG-No.	Cross-sec. mm², approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
83137	2 x 26	0.14	3.6	2.7	13.0
83138	3 x 26	0.14	3.7	4.0	15.0
83139	4 x 26	0.14	4.0	5.4	18.0
83140	6 x 26	0.14	4.6	8.1	25.0
83141	10 x 26	0.14	5.5	13.4	38.0
83142	12 x 26	0.14	5.7	16.2	46.0
83143	16 x 26	0.14	6.2	21.5	56.0
83144	18 x 26	0.14	6.5	24.4	62.0
83145	24 x 26	0.14	7.7	32.4	82.0
83146	27 x 26	0.14	7.9	36.3	97.0
83147	30 x 26	0.14	8.1	40.4	110.0
83153	2 x 24	0.23	3.8	4.6	16.0
83154	3 x 24	0.23	4.0	7.1	19.0
83155	4 x 24	0.23	4.3	9.4	23.0
83156	6 x 24	0.23	4.9	14.2	32.0
83157	10 x 24	0.23	6.0	23.8	55.0
83158	12 x 24	0.23	6.2	28.5	60.0
83159	16 x 24	0.23	6.8	38.1	75.0
83160	18 x 24	0.23	7.1	43.1	82.0
83161	24 x 24	0.23	8.4	59.7	116.0
83162	27 x 24	0.23	8.6	64.7	140.0
83163	30 x 24	0.23	9.1	71.9	150.0
83169	2 x 22	0.34	4.1	6.5	25.0

Part no.	No. cores x AWG-No.	Cross-sec. mm², approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
83170	3 x 22	0.34	4.3	9.8	30.0
83171	4 x 22	0.34	4.6	13.0	45.0
83172	6 x 22	0.34	5.4	19.6	60.0
83173	10 x 22	0.34	6.6	32.5	80.0
83174	12 x 22	0.34	6.8	39.1	105.0
83175	16 x 22	0.34	7.7	52.0	130.0
83176	18 x 22	0.34	8.1	59.0	140.0
83177	24 x 22	0.34	9.6	79.0	190.0
83178	27 x 22	0.34	9.8	88.0	207.0
83179	30 x 22	0.34	10.1	97.8	225.0
83185	2 x 20	0.56	4.5	10.8	30.0
83186	3 x 20	0.56	4.7	16.1	33.0
83187	4 x 20	0.56	5.1	21.5	41.0
83188	6 x 20	0.56	6.0	32.3	65.0
83189	10 x 20	0.56	7.6	53.8	102.0
83190	12 x 20	0.56	7.9	64.5	120.0
83191	16 x 20	0.56	8.7	86.0	152.0
83192	18 x 20	0.56	9.3	96.8	168.0
83193	24 x 20	0.56	11.0	129.0	224.0
83194	27 x 20	0.56	11.2	145.1	260.0
83195	30 x 20	0.56	11.6	161.3	300.0
83201	2 x 18	0.82	5.6	15.2	50.0
83202	3 x 18	0.82	5.9	23.2	62.0

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Sheath colour: grey (RAL 7001); core identification acc. to DIN 47100, colour coded

Part no.	No. cores x AWG-No.	Cross-sec. mm², approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
83203	4 x 18	0.82	6.4	31.3	72.0
83204	6 x 18	0.82	7.7	47.0	100.0
83205	10 x 18	0.82	9.9	78.2	180.0
83206	12 x 18	0.82	10.4	94.0	182.0
83207	16 x 18	0.82	11.5	125.1	240.0
83208	18 x 18	0.82	12.3	141.1	270.0
83209	24 x 18	0.82	14.5	188.2	370.0
83210	27 x 18	0.82	14.9	212.0	400.0
83211	30 x 18	0.82	15.5	235.6	470.0
83217	2 x 16	1.30	6.3	24.4	70.0
83218	3 x 16	1.30	6.7	37.1	90.0
83219	4 x 16	1.30	7.5	49.4	110.0
83220	6 x 16	1.30	9.1	74.2	160.0
83221	10 x 16	1.30	11.8	124.0	250.0
83222	12 x 16	1.30	12.2	149.0	300.0
83223	16 x 16	1.30	13.6	198.7	400.0
83224	18 x 16	1.30	14.4	224.0	450.0
83225	24 x 16	1.30	17.1	298.4	650.0
83226	27 x 16	1.30	17.7	336.0	680.0
83227	30 x 16	1.30	18.3	373.6	750.0

Sheath colour: black (RAL 9005); core identification acc. to international colour code, colour coded

Part no.	No. cores x AWG-No.	Cross-sec. mm², approx.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
83045	2 x 26	0.14	3.6	2.7	13.0
83046	3 x 26	0.14	3.7	4.0	15.0
83047	4 x 26	0.14	4.0	5.4	18.0
83048	6 x 26	0.14	4.6	8.1	25.0
83049	10 x 26	0.14	5.5	13.4	38.0
83050	12 x 26	0.14	5.7	16.2	46.0
83055	16 x 26	0.14	6.2	21.5	56.0
83056	18 x 26	0.14	6.5	24.4	62.0
83057	24 x 26	0.14	7.7	32.4	82.0
83058	27 x 26	0.14	7.9	36.3	97.0
83059	30 x 26	0.14	8.1	40.4	110.0
83130	2 x 24	0.23	3.8	4.6	16.0
83131	3 x 24	0.23	4.0	7.1	19.0
83132	4 x 24	0.23	4.3	9.4	23.0
83133	6 x 24	0.23	4.9	14.2	32.0
83134	10 x 24	0.23	6.0	23.8	55.0
83135	12 x 24	0.23	6.2	28.5	60.0
83136	16 x 24	0.23	6.8	38.1	75.0
83371	18 x 24	0.23	7.1	43.1	82.0
83372	24 x 24	0.23	8.4	59.7	116.0
83373	27 x 24	0.23	8.6	64.7	140.0
83374	30 x 24	0.23	9.1	71.9	150.0
83375	2 x 22	0.34	4.1	6.5	25.0
83376	3 x 22	0.34	4.3	9.8	30.0
83377	4 x 22	0.34	4.6	13.0	45.0
83378	6 x 22	0.34	5.4	19.6	60.0
83379	10 x 22	0.34	6.6	32.5	80.0
83380	12 x 22	0.34	6.8	39.1	105.0
83381	16 x 22	0.34	7.7	52.0	130.0
83382	18 x 22	0.34	8.1	59.0	140.0
83383	24 x 22	0.34	9.6	79.0	190.0
83384	27 x 22	0.34	9.8	88.0	207.0
83385	30 x 22	0.34	10.1	97.8	225.0
83386	2 x 20	0.56	4.5	10.8	30.0
83387	3 x 20	0.56	4.7	16.1	33.0
83388	4 x 20	0.56	5.1	21.5	41.0
83389	6 x 20	0.56	6.0	32.3	65.0
83390	10 x 20	0.56	7.6	53.8	102.0
83391	12 x 20	0.56	7.9	64.5	120.0
83392	16 x 20	0.56	8.7	86.0	152.0
83393	18 x 20	0.56	9.3	96.8	168.0
83394	24 x 20	0.56	11.0	129.0	224.0
83395	27 x 20	0.56	11.2	145.1	260.0
83396	30 x 20	0.56	11.6	161.3	300.0
83397	2 x 18	0.82	5.6	15.2	50.0
83398	3 x 18	0.82	5.9	23.2	62.0
83399	4 x 18	0.82	6.4	31.3	72.0
83474	6 x 18	0.82	7.7	47.0	100.0
83475	10 x 18	0.82	9.9	78.2	180.0
83476	12 x 18	0.82	10.4	94.0	182.0
83477	16 x 18	0.82	11.5	125.1	240.0
83478	18 x 18	0.82	12.3	141.1	270.0
83479	24 x 18	0.82	14.5	188.2	370.0
83480	27 x 18	0.82	14.9	212.0	400.0
83481	30 x 18	0.82	15.5	235.6	470.0
83482	2 x 16	1.30	6.3	24.4	70.0
83483	3 x 16	1.30	6.7	37.1	90.0
83484	4 x 16	1.30	7.5	49.4	110.0
83491	6 x 16	1.30	9.1	74.2	160.0
83492	10 x 16	1.30	11.8	124.0	250.0
83493	12 x 16	1.30	12.2	149.0	300.0
83494	16 x 16	1.30	13.6	198.7	400.0
83495	18 x 16	1.30	14.4	224.0	450.0
83496	24 x 16	1.30	17.1	298.4	650.0
83497	27 x 16	1.30	17.7	336.0	680.0
83498	30 x 16	1.30	18.3	373.6	750.0