

HELUCONTROL® 2516 / 600 GREY / HELUCONTROL® 2516 / 600 BLACK

UL Style 2516, 600 V, 105°C



HELUKABEL® HELUCONTROL® 2516 / 600 GREY AWM STYLE 2516
14 AWG 12C / 83238 600V VW-1 AWM I/II A/B 105°C FT1



HELUKABEL® HELUCONTROL® 2516 / 600 BLACK AWM STYLE 2516
14 AWG 12C / 83629 600V VW-1 AWM I/II A/B 105°C FT1

TECHNICAL DATA

PVC control and connection cable acc. to UL-Std. 758 (AWM)
Style 2516, CSA-Std. C22.2 No. 210 - AWM I/II A/B

Temperature range	flexible -10°C to +105°C fixed -40°C to +105°C
Nominal voltage	UL (AWM) AC 600 V
Test voltage core/core	2000 V
Breakdown voltage	4000 V
Minimum bending radius	flexible 15x Outer-Ø fixed 7.5x Outer-Ø

- Outer sheath: PVC acc. to UL-Std. 1581 Tab. 50.182 (105°C), 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 control and connecting cable for use in machine tools, assembly lines, conveyor belts, plant construction, air conditioning systems, in iron and steel mills.

CABLE STRUCTURE

- Copper wire tinned, finely stranded, AWG sizes
- Wire structure:
14 AWG: 44 x 0.247 mm
12 AWG: 70 x 0.247 mm
- Core insulation: PVC acc. to UL-Std. 1581 Tab. 50.182 (105°C)
- Core identification: see table
- x = without protective conductor
- Cores stranded in layers with optimal lay lengths

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

Part no.	No. cores x AWG-No.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	Part no.	No. cores x AWG-No.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
83233	2 x 14	8.4	39.6	120.0	83244	36 x 14	25.2	717.2	1800.0
83234	3 x 14	8.9	59.6	150.0	83245	2 x 12	9.4	61.0	150.0
83235	4 x 14	9.6	79.2	190.0	83246	3 x 12	9.9	91.4	210.0
83236	6 x 14	11.4	119.0	300.0	83247	4 x 12	10.8	121.6	300.0
83237	10 x 14	15.2	198.4	450.0	83248	6 x 12	12.9	183.7	430.0
83238	12 x 14	15.7	238.7	500.0	83249	10 x 12	17.2	305.9	500.0
83239	16 x 14	17.3	319.0	700.0	83250	12 x 12	17.7	367.6	700.0
83240	18 x 14	18.2	358.4	750.0	83251	16 x 12	19.7	490.9	810.0
83241	24 x 14	22.2	478.4	900.0	83252	18 x 12	21.7	551.7	970.0
83242	27 x 14	22.7	538.1	1100.0	83253	24 x 12	25.2	736.4	1200.0
83243	30 x 14	23.4	598.4	1150.0					

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

Part no.	No. cores x AWG-No.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.	Part no.	No. cores x AWG-No.	Outer Ø mm, approx.	Cu-weight kg/km	Weight kg/km, approx.
83624	2 x 14	8.4	39.6	120.0	83635	36 x 14	25.2	717.2	1800.0
83625	3 x 14	8.9	59.6	150.0	83636	2 x 12	9.4	61.0	150.0
83626	4 x 14	9.6	79.2	190.0	83637	3 x 12	9.9	91.4	210.0
83627	6 x 14	11.4	119.0	300.0	83638	4 x 12	10.8	121.6	300.0
83628	10 x 14	15.2	198.4	450.0	83639	6 x 12	12.9	183.7	430.0
83629	12 x 14	15.7	238.7	500.0	83640	10 x 12	17.2	305.9	500.0
83630	16 x 14	17.3	319.0	700.0	83641	12 x 12	17.7	367.6	700.0
83631	18 x 14	18.2	358.4	750.0	83642	16 x 12	19.7	490.9	810.0
83632	24 x 14	22.2	478.4	900.0	83643	18 x 12	21.7	551.7	970.0
83633	27 x 14	22.7	538.1	1100.0	83644	24 x 12	25.2	736.4	1200.0
83634	30 x 14	23.4	598.4	1150.0					