

# HELUCONTROL® 2516 / 600-C GREY / HELUCONTROL® 2516 / 600-C BLACK

UL Style 2516, 600 V, 105°C, EMC-preferred type



HELUKABEL® HELUCONTROL® 2516 / 600-C GREY AWM STYLE 2516  
14 AWG 12C 83355 600V VW-1 AWM I/II A/B 105°C 600V FT1



HELUKABEL® HELUCONTROL® 2516 / 600-C BLACK AWM STYLE 2516  
14 AWG 12C 65119 600V VW-1 AWM I/II A/B 105°C 600V 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
Coupling resistance	at 30 MHz, approx. 250 Ohm/km
Minimum bending radius	flexible 15x Outer-Ø fixed 7.5x Outer-Ø

- Screen: braided screen of tinned copper wires, approx. coverage 85%
- 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. EMC= Electromagnetic Compatibility; in order to optimise EMC properties, we recommend a double-sided and all-round large contact area of the copper braiding.

## CABLE STRUCTURE

- Copper wire tinned, finely stranded, AWG sizes
- Wire structure:  
12 AWG: 70 x 0.247 mm  
14 AWG: 44 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
- Foil wrapping
- Drain wire, tinned copper

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.
83350	2 x 14	9.1	92.1	180.0	83360	30 x 14	24.6	660.1	1610.0
83351	3 x 14	9.6	140.6	220.0	83362	2 x 12	10.1	131.4	200.0
83352	4 x 14	10.4	162.4	270.0	83363	3 x 12	10.7	162.6	240.0
83353	6 x 14	12.1	200.0	380.0	83364	4 x 12	11.6	221.7	300.0
83354	10 x 14	16.1	313.1	600.0	83365	6 x 12	14.6	328.1	400.0
83355	12 x 14	16.6	417.6	770.0	83366	10 x 12	18.1	401.8	580.0
83356	16 x 14	18.2	510.3	870.0	83367	12 x 12	18.7	460.2	800.0
83357	18 x 14	19.3	540.4	990.0	83368	16 x 12	21.8	532.3	900.0
83358	24 x 14	23.3	580.6	1300.0	83369	18 x 12	22.8	573.4	1000.0
83359	27 x 14	23.8	604.2	1400.0	83370	24 x 12	26.5	626.8	1300.0

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.
65114	2 x 14	9.1	92.1	180.0	65124	30 x 14	24.6	660.1	1610.0
65115	3 x 14	9.6	140.6	220.0	65125	2 x 12	10.1	131.4	200.0
65116	4 x 14	10.4	162.4	270.0	65126	3 x 12	10.7	162.6	240.0
65117	6 x 14	12.1	200.0	380.0	65127	4 x 12	11.6	221.7	300.0
65118	10 x 14	16.1	313.1	600.0	65128	6 x 12	14.6	328.1	400.0
65119	12 x 14	16.6	417.6	770.0	65129	10 x 12	18.1	401.8	580.0
65120	16 x 14	18.2	510.3	870.0	65130	12 x 12	18.7	460.2	800.0
65121	18 x 14	19.3	540.4	990.0	65131	16 x 12	21.8	532.3	900.0
65122	24 x 14	23.3	580.6	1300.0	65132	18 x 12	22.8	573.4	1000.0
65123	27 x 14	23.8	604.2	1400.0	65133	24 x 12	26.5	626.8	1300.0