



## RADOX® – stranded hook-up wires UL 3289/CSA CL 1503

heat and cold resistant, flame retardant, for compact wiring with good workability  
in household devices, lights, electrical switch facilities, wrapping goods.



**RADOX® UL/CSA** are flexible connecting lead wires with electron-crosslinked insulation, based on polyolefin copolymer.

**RADOX® UL/CSA** thus have a good heat pressure resistance and good mechanical characteristics. Short term heat effects of up to 250° C show no sustainable influence on the insulation.

The high resistance against various media like water, oil as well as chemicals make it possible to use **RADOX® UL/CSA** in many areas.

The economic and automatic processing is simple and safe since **RADOX® UL/CSA** is well insulated. It is typically used in class B and F motors, transformers, magnets or in the electrical construction of devices.

■ **UL 3289/CSA CL 1503** Voltage rating  $U_0/U$  600 V AC  
Temperature range -55° C to + 150° C



- **RADOX®** electron-radiation netted insulation does not melt and flow with high temperatures
- economic, automated processing
- compact, flexible
- resin resistant
- further variations: **RADOX® UL/CSA** wire

Cross section AWG	Cross section mm <sup>2</sup>	Line construction n x mm Ø	Line Ø max. mm	Wire Ø mm	Copper number kg/1000 m	Weight nom. kg/100 m	Min. bending radius mm
22	0,324	19 x 0,15	0,75	2,35 ± 0,10	3,20	0,9	3 x D
20	0,517	19 x 0,20	1,00	2,60 ± 0,10	5,70	1,2	3 x D
18	0,821	19 x 0,25	1,25	2,85 ± 0,10	8,80	1,6	3 x D
16	1,310	19 x 0,30	1,45	3,10 ± 0,10	12,60	2,1	3 x D
14	2,080	19 x 0,37	1,85	3,50 ± 0,10	20,10	2,9	3 x D
12	3,310	37 x 0,34	2,35	4,00 ± 0,15	31,80	4,3	3 x D
10	5,260	37 x 0,43	3,00	4,70 ± 0,15	50,50	6,6	3 x D
8	10,000	80 x 0,40	4,00	6,40 ± 0,15	100,00	12,2	3 x D
6	16,000	119 x 0,40	5,40	8,90 ± 0,20	160,00	21,5	3 x D
4	25,000	182 x 0,40	6,70	10,20 ± 0,20	250,00	30,0	3 x D
2	35,000	259 x 0,40	7,90	11,40 ± 0,20	350,00	41,0	3 x D
1	50,000	378 x 0,40	9,40	14,00 ± 0,25	500,00	58,0	4 x D
2/0	70,000	336 x 0,50	11,50	16,10 ± 0,25	700,00	75,0	4 x D

### TECHNICAL DATA RADOX® UL 3289/CSA CL 1503 \*AG 9451\*

#### Conductor:

E-Copper wire tinned, fine-wired

#### Insulation:

RADOX®, extruded polyolefin, copolymer,  
electron-crosslinked

#### Voltage rating:

$U_0/U$  600 V AC

#### Test voltage:

2,500 V AC

#### Temperature range:

-55° C to +150° C

#### Printing:

AWM style 3289 150° C 600 V

Huber+Suhner Switzerland Radox CSA CL 1503

#### Colours:

Various. See separate overview „Core assortment“.



#### Standard delivery:

300 m spools/coils (to AWG 10)

Rings/100 m spools (AWG 8 – AWG 2/0)

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