



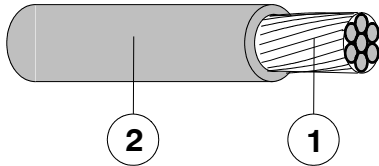
UL 3289 / CSA CL 1503 150°C 600V RADOX connecting leads

GENERAL PROPERTIES:

Excellent high temperature, low temperature, ozone and weathering resistance, flame retardant, easy to strip and process, heat pressure and highly abrasion resistant, soldering iron resistant, flexible.

APPLICATION:

For protected and fixed installation inside electrical equipment, especially suitable for the connection of motor windings, switchboards, magnets and transformers.



1. Conductor : Stranded tin plated copper, flexible
2. Insulation : RADOX 155
extruded irradiation crosslinked polyolefin
Colours : various

Printing:

26 and 24 AWG

AWM Style 3289 150 °C 600V HUBER + SUHNER [prod.-place] RADOX [cross section]

22 AWG and larger

AWM Style 3289 150 °C 600V HUBER + SUHNER [prod.-place] RADOX CSA CL 1503 [cross section]

Technical data:

Voltage rating	.....	600 V
Test voltage	.....	2 500 V
Temperature rating	..... (UL/CSA)	+ 150 °C
Minimum temperature	..... flexing	- 40 °C
	..... fixed	- 55 °C
Min. bending radius for fixed installation	see Table 1

Approvals:

UL
CSA

File E63322
File 039507

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The product fulfils the test and specification requirements described in this document for the stated areas of application and operating conditions. HUBER+SUHNER AG does not expressly or implicitly guarantee performance under additional or changed conditions. Deviations are to be agreed upon in writing.

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TABLE 1: Dimensions, weight

Cross Section: UL 758 CSA C22.2 No.210		Cross-section: EN 60228/ IEC 60228	Conductor construction	Conductor diameter		Core diameter D.	Weight	Bending radius		Conductor resistance at 20°C
AWG	nom. mm ²			nom. mm ²	nom. n x mm d			max. mm	nom. kg / 100m		min. mm	max. Ω / km
26	0.128		19 x 0.10	0.50	2.13 ± 0.10	0.55	3 x D	133		
24	0.205		19 x 0.13	0.61	2.27 ± 0.10	0.66	3 x D	86.0		
22	0.324		19 x 0.16	0.77	2.40 ± 0.10	0.79	3 x D	53.1		
20	0.519		19 x 0.20	0.99	2.61 ± 0.10	1.1	3 x D	32.4		
18	0.823		19 x 0.25	1.23	2.85 ± 0.10	1.5	3 x D	20.4		
(16)		1.5	19 x 0.31	1.52	3.20 ± 0.10	2.1	3 x D	13.0		
14	2.08		19 x 0.37	1.86	3.50 ± 0.10	2.7	3 x D	9.32		
12	3.31		37 x 0.35	2.35	4.00 ± 0.15	4.0	3 x D	5.88		
10	5.26		37 x 0.44	3.02	4.68 ± 0.15	6.1	3 x D	3.62		
(8)		10	80 x 0.40	3.94	6.40 ± 0.15	11.7	3 x D	1.95		
(6)		16	119 x 0.40	5.4	8.90 ± 0.2	18.4	3 x D	1.24		
(4)		25	182 x 0.40	6.7	10.2 ± 0.2	25.8	3 x D	0.795		
(2)		35	266 x 0.40	7.9	11.4 ± 0.2	36.5	3 x D	0.565		
(1)		50	378 x 0.40	9.4	14.0 ± 0.25	54.3	3 x D	0.393		
(2/0)		70	348 x 0.49	11.5	16.1 ± 0.3	71	3 x D	0.273		
(3/0)		95	456 x 0.49	13.0	17.6 ± 0.3	90.6	3 x D	0.207		
(4/0)		120	570 x 0.50	14.7	19.3 ± 0.3	113	3 x D	0.164		

