

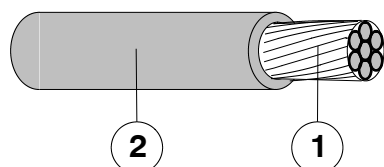
RADOX connecting leads

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, extruded irradiation crosslinked polyolefin
- Colours: various

Printing:

26 to 20 AWG

 AWM Style 3266 125°C 300V HUBER+SUHNER [prod.-place] RADOX CSA AWM I A/B 125°C 300V FT2 [cross section] AWG - [part no.]-[batch no.] [prod. Week]-[prod. Year]

26 to 20 AWG Printing exception, core colour black

 AWM Style 3266 125°C 300V HUBER+SUHNER RADOX CSA AWM I A/B 125°C 300V FT2 [cross section] AWG - [part no.]-[prod. year]

18 AWG and larger

 AWM Style 3266 125°C 300V HUBER+SUHNER [prod.-place] RADOX CSA AWM I A/B 125°C 300V FT2 [cross section] AWG - [part no.]-[batch no.] [prod. week]-[prod. year]

TECHNICAL DATA

Voltage rating	300	V AC
Test voltage 1 min	2000	V AC
Temperature rating	(UL/CSA)	+125 °C
Minimum temperature	flexing	-25 °C
	fixed	-40 °C
Min. bending radius for fixed installation	3 x D	

The cables comply with the following standards

Appliance wiring material	CSA C22.2 No. 210.2 AWM I A/B 125°C 300 V
Appliance wiring material	UL 758 Style 3266

The cables pass the following fire tests

Horizontal flame spread FT2	L ≤ 100 mm	CSA C22.2 No. 2556 # 9.1
Horizontal flame spread, Appliance-Wire	V ≤ 25 mm/min.	UL 1581 # 1090

Approvals

UL	File E63322
CSA	File 069581

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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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RADOX connecting leads
TABLE 1: Dimensions, weight

Cross Section: UL 758 CSA C22.2 No. 210		Cross section	Conductor construction	Conductor diameter	Conductor resistance at 20°C	Core diameter D	Weight
AWG	nom. mm ²	nom. mm ²	nom. n x mm d	max. mm	max. Ω / km	mm	nom. kg / 100m
26	0.128		19 x 0.10	0.50	133	1.32 ± 0.05	0.32
24	0.205		19 x 0.13	0.61	86.0	1.45 ± 0.05	0.41
22	0.324		19 x 0.16	0.77	53.1	1.65 ± 0.10	0.53
		0.50	19 x 0.18	0.90	38.2	1.86 ± 0.10	0.73
20	0.519		19 x 0.20	0.99	32.4	1.85 ± 0.10	0.93
18	0.823		19 x 0.25	1.23	20.4	2.10 ± 0.10	1.13
(16)		1.5	19 x 0.31	1.52	13.0	2.41 ± 0.10	1.65
14	2.08		19 x 0.37	1.86	9.32	2.72 ± 0.10	2.33
12	3.31		37 x 0.35	2.35	5.88	3.21 ± 0.10	3.53
10	5.26		37 x 0.44	3.02	3.62	3.88 ± 0.10	5.61