

UL 3680 AWM I A/B 150°C 600V

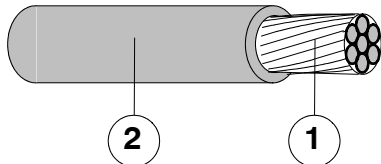
RADOX Connecting leads

GENERAL PROPERTIES :

Electron beam crosslinked Isolation, low temperature, ozone and weathering resistance, flame retardant, easy to strip and process, heat pressure and highly abrasion resistant, soldering iron resistant, compatible to all common resins and varnishes, flexible, improved media (oil and gasoline) resistance.

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 S,
extruded, electron- beam cross- linked polyolefin
Colours: various

Printing:

Huber+Suhr AWM Style 3680 150°C 600V HUBER+SUHNER [prod. place] RADOX AWM I A/B 150°C 600V FT1, FT2
[cross section] MM2- [part no.]- [lot no.] [week]- [year]

Printing Exception (0.25 - 0.75)mm² black:

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[cross section] MM2- [part no.]- [year]

TECHNICAL DATA :

Voltage rating	UL	600	V
Testvoltage 1min.	≤0.25mm ²	2500	V
Testvoltage 1min.	>0.25mm ²	3500	V
Temperature rating	UL	+ 150	°C
Minimum temperature	flexing	- 40	°C
	fixed	- 55	°C
Oil Resistance, Gasoline Resistance UL		+ 60	°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	AWM I A/B 150°C 600V
Appliance wiring material	UL 758	Style 3680

The cables pass the following fire tests:

Vertical flame spread FT1	L ≤ 250 mm, t ≤ 60 s	CSA C22.2 No. 2556 # 9.3
Horizontal flame spread FT2	L ≤ 100 mm	CSA C22.2 No. 2556 # 9.1
Vertical flame spread	50 < L ≤ 540 mm	EN 60332- 1-2, IEC 60332- 1-2
Horizontal flame spread, Appliance- Wire	V ≤ 25 mm/min.	UL 1581 # 1090

Approvals:

UL US / UL Canada File E63322

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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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Cross Section nom. mm ²	Conductor Construction nom n x mm d	Conductor Diameter max. mm	Core Diameter Dia. mm	Conductor Resistance at 20°C max. Ω / km	Weight nom. kg / 100m	Colour	H+S Part No.
0.25	19 x 0.127	0.61	1.38 ± 0.05	86.0	0.4	black	85169702
0.25	19 x 0.127	0.61	1.38 ± 0.05	86.0	0.4	blue	85187392
0.25	19 x 0.127	0.61	1.38 ± 0.05	86.0	0.4	brown	85187394
0.25	19 x 0.127	0.61	1.38 ± 0.05	86.0	0.4	grey	85187396
0.25	19 x 0.127	0.61	1.38 ± 0.05	86.0	0.4	green	85187395
0.25	19 x 0.127	0.61	1.38 ± 0.05	86.0	0.4	white	85187155
0.25	19 x 0.120	0.61	1.38 ± 0.05	86.0	0.4	yellow	85187156
0.50	19 x 0.178	0.86	1.68 ± 0.10	40.1	0.6	black	85169703
0.50	19 x 0.178	0.86	1.68 ± 0.10	40.1	0.6	blue	85187397
0.50	19 x 0.178	0.86	1.68 ± 0.10	40.1	0.6	white	85187157
0.50	19 x 0.178	0.86	1.68 ± 0.10	40.1	0.6	yellow	85187398
0.75	19 x 0.219	1.06	1.88 ± 0.10	26.7	0.9	black	85169700
0.75	19 x 0.219	1.06	1.88 ± 0.10	26.7	0.9	blue	85187399
0.75	19 x 0.219	1.06	1.88 ± 0.10	26.7	0.9	brown	85187400
0.75	19 x 0.219	1.06	1.88 ± 0.10	26.7	0.9	white	85171929
0.75	19 x 0.219	1.06	1.88 ± 0.10	26.7	0.9	yellow	85187401
1.0	19 x 0.252	1.23	2.05 ± 0.10	20.0	1.1	black	85169704
1.5	37 x 0.219	1.48	2.30 ± 0.10	13.6	1.6	black	85169705
2.5	37 x 0.286	1.97	2.80 ± 0.10	8.1	2.1	black	85169701