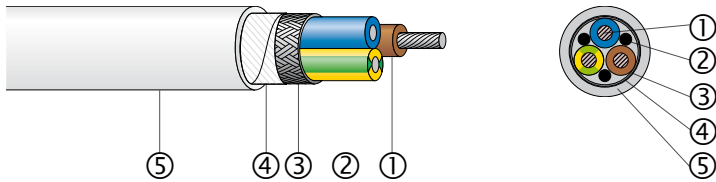


RADOX® UL 4486/CSA AWM I/II A/B

Multi core cable – screened – halogen free – 600 V



- excellent high and low temperature and ozone resistance
- weatherproof
- halogen free
- easy to strip and process
- flame retardant
- in case of fire no corrosive gases and low smoke emission
- flexible

Application

Permanent installation indoor and outdoor for the connection of fixed and loose parts.

Composition of cable

① Cores:	
Conductor	stranded tin plated copper, acc. to EN 60228, class 5
Insulation	RADOX® 125
Core colours	various, on request
② Fillers (optional)	RADOX®
③ Screen	tin plated copper braid
④ Separator	plastic tape
⑤ Sheath	RADOX® 125M
Colour	grey

Technical data

Voltage rating		600 V AC
Test voltage		2500 V AC
Operating temperature	(UL temperature rating)	+125 °C
Max. conductor temperature	at short circuit (max. 5s)	+280 °C
Min. operating temperature	flexing	-25 °C
	fixed	-40 °C
Min. bending radius		5 x cable-dia.

Standards

Appliance wiring material	CSA C22.2 no. 210.2	AWM I/II A/B 125°C 300 V FT1
Appliance wiring material	UL 758	Style 4486

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Fire tests

Flame propagation:

Vertical flame spread, single cable	CSA C22.2 no. 0.3 cl. 4.11.1	FT1
Horizontal flame spread, single cable	CSA C22.2 no. 0.3 cl. 4.11.2	FT2
Vertical flame spread, single cable	EN 50265-2-1, IEC 60332-1	
Vertical flame spread, bunched cables	EN 50266-2-4, IEC 60332-3-24	Category C
Content of halogen acid gas	EN 50267-2-1, IEC 60754-1	0 mg/g
Corrosivity of combustion gases	EN 50267-2-2, IEC 60754-2	
Smoke density	EN 50268-2, IEC 61034-2	
Flame propagation:		
Horizontal flame propagation of an appliance wire	UL 1581 sec. 1090	
Vertical flame spread, single cable	UL 1581 sec. 1061	
Vertical flame spread, single cable	UL 1581 sec. 1080	VW-1

Approvals

CSA Certificate	1241318
UL File	E63322

Extract from our delivery programme

Cross section nom. n x (G) AWG	Conductor		Core		Screen	Cable
	Construct. nom. n x mm dia.	R ₂₀ IEC 60228 max. Ω/km	dia. nom. mm	Colours*	dia. nom. mm	dia. mm
1 G 2*	266 x 0.40	0.554	11.1	GNYE	12.2	14.1 ± 0.3
1 x 3/0	444 x 0.50	0.206	17.3	BK	18.4	22.8 ± 0.3
2 x 14	19 x 0.37	9.02	3.50	BU, BN	7.7	9.6 ± 0.3
3 G 20	19 x 0.20	32.6	2.60	BU, BN, GNYE	6.2	8.1 ± 0.3
3 x 8	80 x 0.40	1.96	6.40	BK, YE num.	15.1	18.2 ± 0.5
4 x 22	19 x 0.16	54.7	2.4	WH num.	6.6	8.5 ± 0.3
4 G 16	19 x 0.31	13.7	3.10	BU, BN, BK, GNYE	8.7	10.7 ± 0.4
4 x 6	119 x 0.40	1.25	8.60	BU, BN, BK, GY	22.5	27.3 ± 0.6
5 x 18	19 x 0.25	21.3	2.85	BU, BN, BK, GY, BK	8.7	10.7 ± 0.4
12 G 14	19 x 0.37	9.02	3.50	BK, YE num., GNYE	15.7	18.8 ± 0.5

* abbreviations for core colours see page 140

Other cross sections on request.