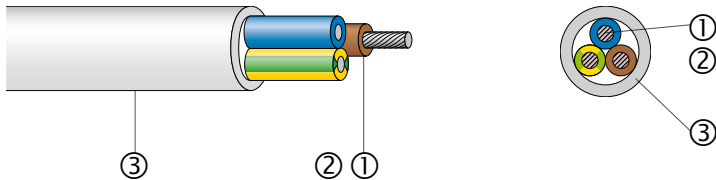


RADOX® UL4486 / CSA AWM I/II A/B

Multi core cable – halogen free – 300 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 Sheath	RADOX® 125M
Colour	grey

Technical data

Voltage rating		300 V AC
Test voltage		2000 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 propagation	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		Cable
	Construction nom. n x mm dia.	R ₂₀ IEC 60228 max. Ω/km	dia. nom. mm	Colours*	dia. nom. mm
2 x 20	19 x 0.20	32.6	1.85	BU,BN	5.5 ± 0.3
2 x 18	19 x 0.25	21.3	2.10	BU,BN	6.0 ± 0.3
2 x 12	37 x 0.34	5.67	3.21	BU,BN	8.3 ± 0.3
4 x 14	19 x 0.37	9.02	2.72	BU,BN,BK,GY	8.5 ± 0.3

* abbreviations for core colours see page 140

Other cross sections on request.