

Technical Document

WEB 14/4 Speaker Cable

14awg 4core LSNH Violet

webro

Part Number: 231014E-LSNH-VLT

Description: WEB 14/4 Speaker Cable 14awg
4core Low Smoke Non-Halogen (LSNH) Violet



Product Construction

Conductor Material	:	99.999% Oxygen Free Plain Copper
Conductor Stranding	:	14awg, 105/0.16mm
Insulation Material	:	Low Smoke Non-Halogen (LSNH)
Number of Cores	:	4
Core Colours	:	Red, Black, White, Green
Sheath Material	:	Low Smoke Non-Halogen (LSNH)
Sheath Colour	:	Violet



Mechanical Characteristics

Overall Diameter	:	9.0mm ± 0.2mm
Temperature Range	Fixed	-20°C to +70°C
	Flexing	0°C to +70°C
Bend Radius	:	15 x Overall Diameter
Weight	:	168 kg/km

Electrical Characteristics

Inner Conductor DC Resistance	:	≤ 8.6 Ω/km
Voltage Rating	:	300/300V

Power Loss by Length of Cable

Length	4Ω Speaker	8Ω Speaker	16Ω Speaker
10m	4%	2%	1%
20m	8%	4%	2%
40m	15%	8%	4%
80m	26%	15%	8%

Max. Cable Length by Allowed Power Loss*

Power Loss (dB)	4Ω Speaker	8Ω Speaker	16Ω Speaker
-0.5dB	28m	57m	113m
-1.0dB	60m	120m	240m
-2.0dB	136m	271m	543m
-3.0dB	231m	462m	924m

Power Loss (%)	4Ω Speaker	8Ω Speaker	16Ω Speaker
2.5%	5.9m	11.9m	23.8m
5.0%	12.2m	24.4m	48.8m
7.5%	18.8m	37.6m	75.2m
10%	25.8m	51.6m	103.1m

*The above is provided as a guide only. The calculations are based on the conductor resistance @20°C. Resistance and loss both increase as temperature rises. Please verify your own calculations and installation.

Certifications & Standards

Flame Retardancy	:	BS EN 60332-1-2
Low Smoke	:	BS EN 61034-2
Halogen Gas	:	BS EN 60754-1&2
RoHS 3 Compliant	:	Yes
REACH Compliant	:	Yes
UKCA CPR Classification	:	Eca to BS EN 50575:2014+A1:2016

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