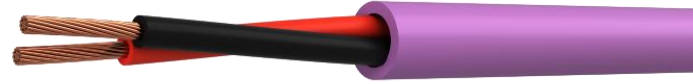


Technical Document
WEB 14/2 Speaker Cable
14awg 2core LSNH Violet



Part Number: 231013E-LSNH-VLT
Description: WEB 14/2 Speaker Cable 14awg
 2core 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 : 2
 Core Colours : Red, Black
 Sheath Material : Low Smoke Non-Halogen (LSNH)
 Sheath Colour : Violet



Mechanical Characteristics

Overall Diameter : 7.1mm ± 0.2mm
 Temperature Range Fixed : -20°C to +70°C
 Flexing : 0°C to +70°C
 Bend Radius : 15 x Overall Diameter
 Weight : 90 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



Publication Date: 08/09/2023
 Revision Number: 2.1
 Written by: GB
 Authorised by: GB

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