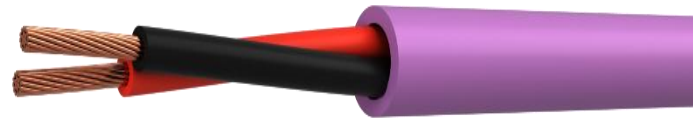


Technical Document
WEB 12/2 Speaker Cable
12awg 2core LSNH Violet



Part Number: 231015E-LSNH-VLT
Description: WEB 12/2 Speaker Cable 12awg
 2core Low Smoke Non-Halogen (LSNH) Violet



Product Construction

Conductor Material : 99.999% Oxygen Free Plain Copper
 Conductor Stranding : 12awg, 65/0.25mm
 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 : 8.8mm ± 0.2mm
 Temperature Range Fixed : -20°C to +70°C
 Flexing : 0°C to +70°C
 Bend Radius : 15 x Overall Diameter
 Weight : 142 kg/km

Electrical Characteristics

Inner Conductor DC Resistance : ≤ 5.4 Ω/km
 Voltage Rating : 300/300V

Power Loss by Length of Cable

Length	4Ω Speaker	8Ω Speaker	16Ω Speaker
10m	3%	1%	1%
20m	5%	3%	1%
40m	10%	5%	3%
80m	18%	10%	5%

Max. Cable Length by Allowed Power Loss*

Power Loss (dB)	4Ω Speaker	8Ω Speaker	16Ω Speaker
-0.5dB	43m	87m	173m
-1.0dB	92m	184m	367m
-2.0dB	207m	415m	830m
-3.0dB	353m	706m	1412m

Power Loss (%)	4Ω Speaker	8Ω Speaker	16Ω Speaker
2.5%	9.1m	18.2m	36.4m
5.0%	18.7m	37.3m	74.7m
7.5%	28.8m	57.5m	115.0m
10%	39.4m	78.8m	157.6m

*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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