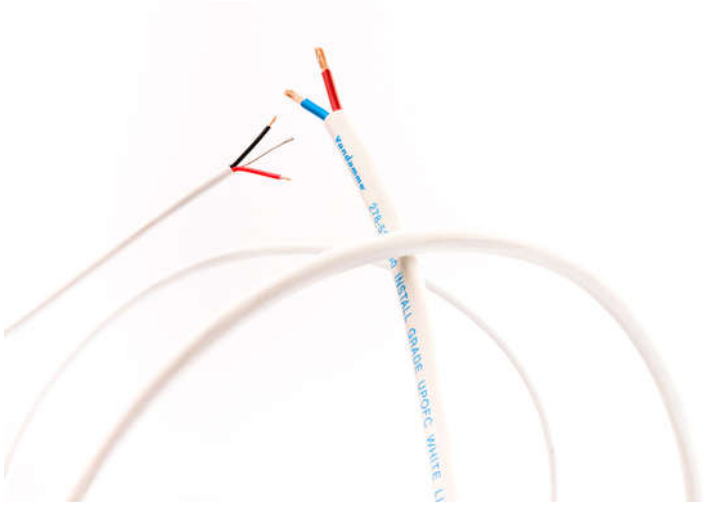
Van Damme White Line Low Smoke Zero Halogen signal & speaker cables



The Van Damme White Line Ecoflex cable is a Low Smoke Zero Halogen (LSZH) range specifically for installation use. The use of LSZH cables is a specified essential in public buildings, new build construction and marine projects.

The Ecoflex jacketed 1pr cable will carry AES/EBU and/or analogue balanced audio as well as paired data signals such as RS485, RS422 and DMX512.

Van Damme Ecoflex White Line Install Grade Speaker Cable LSZH, in 2 x 1.5mm^2 and 2 x 2.5mm^2, features ultra-pure oxygen free copper stranding for outstanding sonic integrity. Suitable for low impedance and 100 Volt line speaker applications.

All cables are fully tested and compliant with the relevant IEC standards covering fire retardancy of single and bunched (speaker types only) cables, halogen gas and smoke emissions.

- 278-401-090 Van Damme White Line AES/Analogue signal cable LSZH

Mechanical Specification

Conductor	Material	Bare ultra-pure oxygen free copper
	Stranding	7 x 0.20mm (0.22mm^2) AWG 24/7
Insulation	Material	Foam Skin Polyethylene
	Overall Diameter (mm)	1.40 ±0.10
Cabling	Type	Twisted pair
	Lay length	~25mm
Screen	Material	Al-PET Foil
	Coverage	≥ 150%
Drain Wire	Material	Tinned ultra-pure oxygen free copper
	Stranding	7 x 0.20mm (0.22mm^2) AWG 24/7
Outer Jacket	Material	SHF-1 LSZH polymer
	Overall Diameter (mm)	3.90 ±0.15
	Colour	RAL9010 Pure white

Electrical Specification

Resistance	Conductor	<90 Ohm/Km
	Shield	<70 Ohm/Km
	Insulation	>5000 MOhm/Km
Capacitance	Core to core	50 pF/m nominal
	Core to shield	100 pF/m nominal
Impedance		110 Ohms ±20%
Test Voltage		1000Vdc x 1 minute

- Maximum reel length 500 metres
- Weight 16Kg/Km

Application notes

• For the transmission of analogue and digital audio, paired data and midi signals in an installation environment

• Jacket material specified as the thermoplastic polymer SHF-1; compliant with IEC 60092 Electrical Installations in ships pt. 359 - Sheathing materials for shipboard power and communication cables

• Fully tested and compliant with the following IEC standards:
  • IEC 60332.1 Fire retardancy of a single cable
  • IEC 60754.1 Amount of Halogen Gas Emissions
  • IEC 60754.2 Degree of acidity of released gases
  • IEC 61034.2 Measurement of smoke density

278-515-090 2 x 1.5mm^2, 278-525-090 2 x 2.5mm^2 White Line speaker cables LSZH

Mechanical Specification – 278-515-090 2 x 1.5mm^2

Conductor	Material	Bare ultra-pure oxygen free copper
	Stranding	30 x 0.25mm
Insulation	Material	SHF-1 LSZH polymer
	Core Colours	Red, Blue
Outer Jacket	Material	SHF-1 LSZH polymer
	Overall Diameter (mm)	6.60 ±0.20
	Colour	RAL9010 Pure white

Mechanical Specification – 278-525-090 2 x 2.5mm^2

Conductor	Material	Bare ultra-pure oxygen free copper
	Stranding	50 x 0.25mm
Insulation	Material	SHF-1 LSZH polymer
	Core Colours	Red, Blue
Outer Jacket	Material	SHF-1 LSZH polymer
	Overall Diameter (mm)	7.80 ±0.20
	Colour	RAL9010 Pure white

Electrical Specification

Conductor Resistance	278-515-090 2 x 1.5mm^2	12.50 Ohms/Km
	278-525-090 2 x 2.5mm^2	7.30 Ohms/Km
Working Voltage		300V/500V
Test Voltage		2000Vdc 1 minute

- Maximum reel length 500 metres
- Weights: 278-515-090 70Kg/Km; 278-525-090 110 Kg/Km

Application notes

- For Low Impedance and 100V Line speaker cabling in an installation environment

- Jacket material specified as the thermoplastic polymer SHF-1; compliant with IEC 60092 Electrical Installations in ships pt. 359 - Sheathing materials for shipboard power and communication cables

- Fully tested and compliant with the following IEC standards:
  - IEC 60332.1 Fire retardancy of a single cable
  - IEC 60332.3.24 Fire retardancy of bunched cables
  - IEC 60754.1 Amount of Halogen Gas Emissions
  - IEC 60754.2 Degree of acidity of released gases
  - IEC 61034.2 Measurement of smoke density