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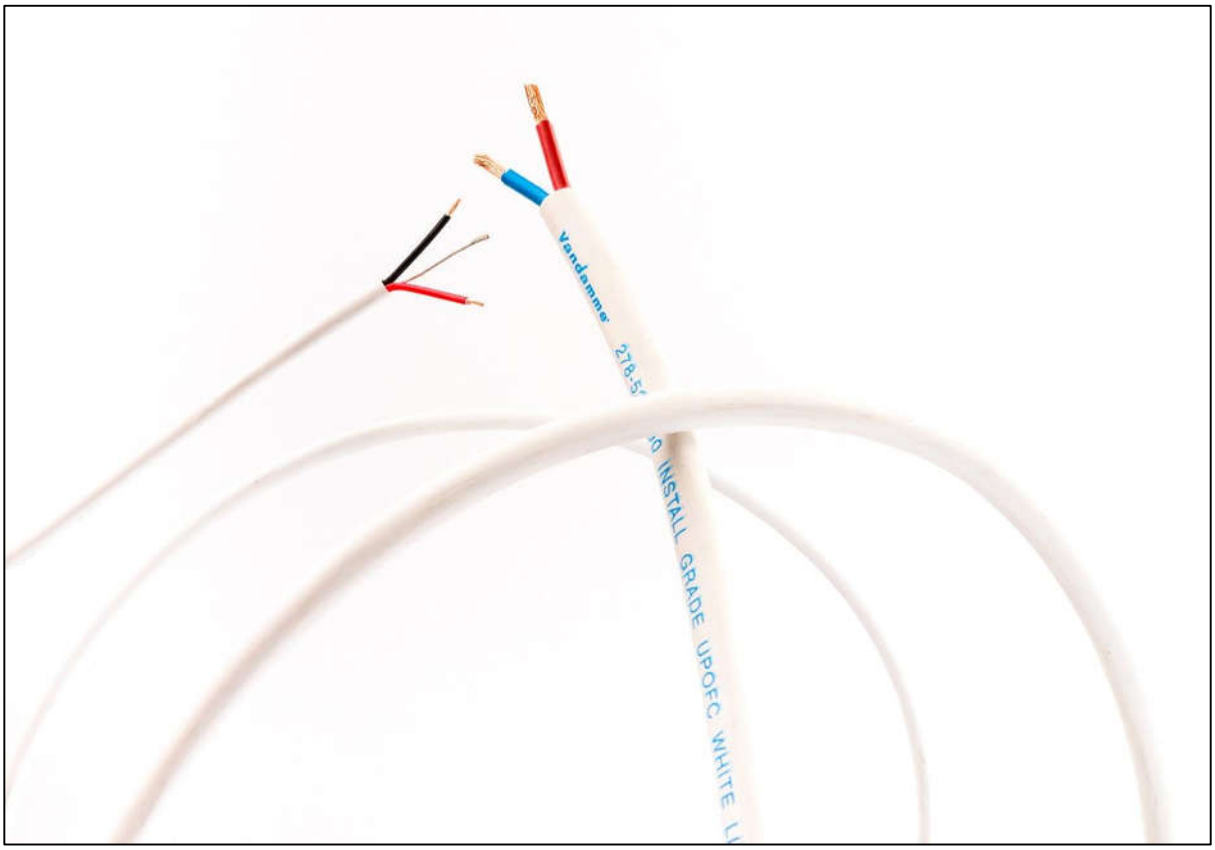
VAN DAMME WHITE LINE INSTALL GRADE LSZH SPEAKER & SIGNAL CABLE



Van Damme White Line Install Grade LSZH is a Low Smoke Zero Halogen insulated and jacketed cable range. Comprising 3 twin axial speaker cables, a 4 x 2.5mm^2 multicore and an AES/EBU 1 pair it is ideal for installation where a neutral jacket colour is required.



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Applications

- Installations in public buildings such as Government Premises, Schools and Colleges where a neutral jacket colour is needed
- Marine Installations

Application Notes

- Fully tested and compliant with the following IEC standards: IEC 60332.1 Fire retardancy of a single cable; IEC 60332.3.24 IEC Fire retardancy of bunched cables (speaker cables only); IEC 60754.1 Amount of Halogen Gas Emissions; IEC 60754.2 Degree of acidity of released gases; IEC 61034.2 Measurement of smoke density
- Ultra-pure oxygen free copper for outstanding sonic integrity

Speaker Cable General Specification

Conductor	Bare ultra-pure oxygen free copper
Insulation	SHF1 LSZH thermoplastic polymer
Colour code	Twin axial: Red, Blue Multicore: Red, Blue, Green, Yellow
Jacket	SHF1 LSZH thermoplastic polymer Pure White RAL 9010
Working Voltage	300/500 V
Bend Radius	10 x overall diameter
Operating temperature	-35 to +70 ^{o}C

Speaker Cable Characteristics by part number

Part Number	Conductor Size	Overall Diameter	Stranding	Resistance Ohm/km
278-575-090	0.75 mm^2	5.60 mm	42 x 0.15 mm	24.50
278-515-090	1.50 mm^2	6.50 mm	30 x 0.25 mm	12.50
278-525-090	2.50 mm^2	7.60 mm	50 x 0.25 mm	7.30
278-542-090	2.50 mm^2	12.50 mm	50 x 0.25 mm	7.30

1 Pair Mechanical Specification

Conductor	7 x 0.20 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.20 mm, 0.22 mm^2, AWG 24/7
Insulation	Foam skin polyethylene, Red/Black
Insulation diameter	1.40 ± 0.10 mm
Drain wire	7 x 0.20 mm tinned ultra-pure oxygen-free copper
Drain wire size	7 x 0.20 mm, 0.22 mm^2, AWG 24/7
Screen	24 µm Aluminium/Polyester Foil > 150% coverage
Jacket material	SHF-1 LSZH Polymer
Overall diameter	3.90 ± 0.15 mm
Colour	Pure White RAL 9010
Bend radius	15 x overall diameter
Operating temperature	-35 to +70 ^{o}C

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1 Pair Electrical Specification

Resistance	Conductor	< 90 Ohm/km
	Insulation	> 5000 MOhm/km
Capacitance	Core to core	40 pF/m
	Core to screen	80 pF/m
Impedance	1 -4 MHz	110 ± 20% Ohms

Part Numbers and Description

Part Number	Description	Max. Reel Length
278-575-090	Van Damme White Line Install Grade 2 x 0.75 mm^2 twin-axial	500 m
278-515-090	Van Damme White Line Install Grade 2 x 1.50 mm^2 twin-axial	500 m
278-525-090	Van Damme White Line Install Grade 2 x 2.50 mm^2 twin-axial	500 m
278-542-090	Van Damme White Line Install Grade 4 x 2.50 mm^2 twin-axial	500 m
278-401-090	Van Damme White Line AES/EBU 1 Pair LSZH	500 m

Standards and Compliance

RoHS 2011/65/EU	Restriction of Hazardous Substances
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
IEC 60092-360:2014	Electrical Installations in ships - Sheathing materials for shipboard power and communication cables
IEC 60332.1	Fire retardancy of a single cable
IEC 60332.3.24	Fire retardancy of bunched cables (speaker cables only)
IEC 60754.1	Amount of Halogen Gas Emissions
IEC 60754.2	Degree of acidity of released gases
IEC 61034.2	Measurement of smoke density