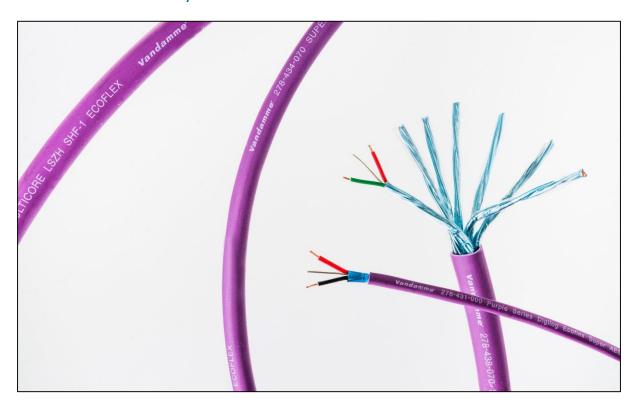


HEAR NO EVIL

VAN DAMME SUPER PURPLE SERIES DIGI GRADE ENHANCED AES/ANALOGUE INSTALLATION CABLE



Van Damme Super Purple Series provides a Low Smoke Zero Halogen version of the established Van Damme Super Green Series for the installation market. Available as a 1 pair and 4 and 8 pair multicore versions this cable range provides a solution for the extended distance transmission of 96 KHz AES/EBU digital audio – over 150 metres without active equalisation. It is also suitable for long analogue audio runs and any critical balanced data signal that requires low capacitance.





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Applications

- Long distance transmission of AES/EBU digital audio signals
- Installation in public buildings, schools and colleges, government premises and marine vessels
- Equipment rack wiring where LSZH materials have been specified
- Any 100 to 110 Ohm balanced data application such as RS422, RS485, DMX512 and timecode

Application Notes

- 22AWG conductors for low capacitance and excellent attenuation figures
- Multicore types are foil screened pairs with polyester overwrap to keep the overall diameter to a minimum pairs should be sleeved with PVC or heatshrink sleeving when broken out for termination
- Electrically engineered for long distance 96KHz digital audio transmission 150 metres without equalisation is well within the cables' performance
- 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
- Ultra-pure oxygen free copper for outstanding sonic integrity

Mechanical Specification

Multicores

Pairs

Conductor 7 x 0.25 mm bare ultra-pure oxygen-free copper

Conductor size 7 x 0.25 mm, 0.34 mm², AWG 22/7

Insulation Foam skin polyethylene

Insulation diameter $1.75 \pm 0.10 \text{ mm}$ Colour Code IEC 189-2 appendix A

Drain wire 7 x 0.16 mm tinned ultra-pure oxygen-free copper

Drain wire size 7 x 0.16 mm, 0.14 mm², AWG 26/7

Screen 24 µm Aluminium/Polyester Foil > 100% coverage with clear polyester overwrap

Overall Construction

Jacket material SHF-1 LSZH thermoplastic polymer

Colour Red Lilac, RAL 4001
Bend Radius 15 x overall diameter

Operating temperature -35 to +70 °C



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1 Pair

Conductor 7 x 0.25 mm bare ultra-pure oxygen-free copper

Conductor size 7 x 0.25 mm, 0.34 mm², AWG 22/7 Insulation Foam skin polyethylene, Red/Black

Insulation diameter 1.75 ± 0.10 mm

Drain wire 7 x 0.25 mm tinned ultra-pure oxygen-free copper

Drain wire size 7 x 0.25 mm, 0.34 mm², AWG 22/7

Screen 24 μm Aluminium/Polyester Foil > 100% coverage

Jacket material SHF-1 LSZH thermoplastic polymer

Overall diameter 4.80 ± 0.15 mm

Colour Red Lilac RAL 4001

Bend radius 15 x overall diameter

Operating temperature -35 to +70 °C

Electrical Specification

Resistance Conductor < 59 Ohm/km

Insulation > 5000 MOhm/km

Capacitance Core to core 50 pF/m

Core to screen 100 pF/m

Part Numbers and Description

Part Number	Description	Overall	Max. Reel
		Diameter	Length
278-434-070	Van Damme Super Purple Series Digilog 4 pair multicore	11.10 mm	500 m
278-438-070	Van Damme Super Purple Series Digilog 8 pair multicore	14.40 mm	500 m
278-431-000	Van Damme Super Purple Series Digilog 1 pair	4.50 mm	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 60754.1 Amount of Halogen Gas Emissions
 IEC 60754.2 Degree of acidity of released gases
 IEC 61034.2 Measurement of smoke density