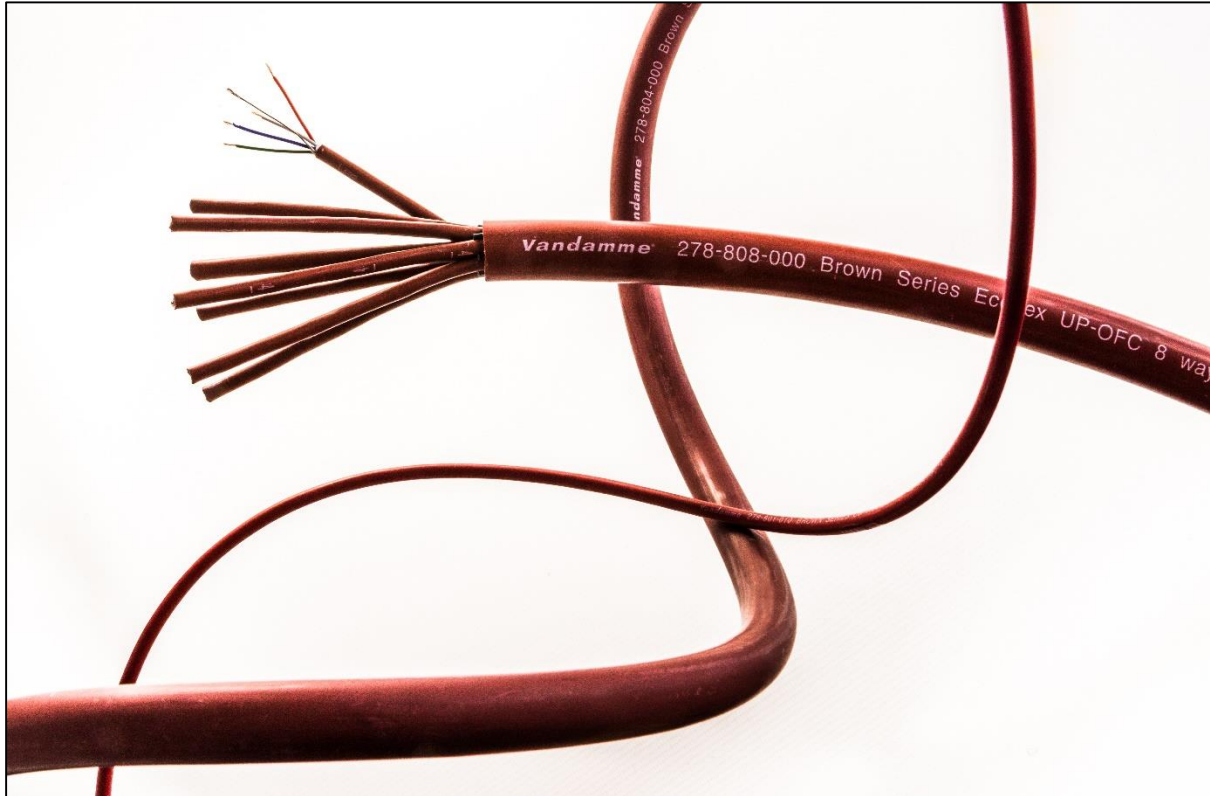




THE ROUTE OF LEAST RESISTANCE

HEAR NO EVIL

VAN DAMME BROWN SERIES ECOFLEX STARQUAD LSZH CABLE



Van Damme Brown Series Ecoflex is a foil screened Low Smoke Zero Halogen (LSZH) single quad and starquad multicore primarily for the installation market. As this cable is specified for installation a foil screen as opposed to braided copper is used as the cable should not have to cope with dynamic flexing.

KEY BENEFITS



Low Smoke
Zero Halogen



Noise
Rejection

MATERIALS



Oxygen Free
Copper



SHF-1
LSZH
Polymer

APPLICATIONS



Broadcast
Installations



Live Sound
Installations



Stadiums

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Applications

- Microphone level signals in installation environments; particularly where high levels of RFI and EMI may be found
- Also suitable for mixed mic/line level applications
- Installation in public buildings, schools and colleges, government premises and marine vessels
- Equipment rack wiring where LSZH materials have been specified and/or where starquad conductors would be advantageous

Application Notes

- 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
- Precise cable geometry and starquad construction for excellent rejection of radio frequency and electromagnetic interference (RFI and EMI)
- BBC standard colour coding - blue & red (+ve phase) with green & white (-ve phase) opposing; pairs should be terminated as above
- Ultra-pure oxygen free copper for outstanding sonic integrity

Mechanical Specification

Multicores

Pairs

Conductor	7 x 0.12 mm bare ultra-pure oxygen-free copper
Conductor size	7 x 0.12 mm, 0.08 mm ² , AWG 28/7
Insulation	Low density polyolefin
Insulation diameter	0.90 ± 0.10 mm
Colour Code	Blue & Red +ve, Green & White -ve
Drain wire	7 x 0.14 mm tinned ultra-pure oxygen-free copper
Drain wire size	7 x 0.14 mm, 0.10 mm ² , AWG 27/7
Screen	24 µm Aluminium/Polyester Foil > 100% coverage
Jacket material	SHF-1 LSZH thermoplastic polymer
Overall diameter	3.70 ± 0.12 mm
Colour	Ruby Red, RAL 3004

Overall Construction

Separator	Soft textile tape > 125% coverage
Jacket material	SHF-1 LSZH thermoplastic polymer
Colour	Red Brown, RAL 8012
Bend radius	15 x overall diameter
Operating temperature	-35 to +70 °C

HEAR NO EVIL

1 Pair

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Electrical Specification

Resistance	Conductor	< 248 Ohm/km
	Insulation	> 5000 MOhm/km
Capacitance	Core to core	48 pF/m

Part Numbers and Description

Part Number	Description	Overall Diameter	Max. Reel Length
278-801-000	Van Damme Brown Series Ecoflex LSZH single quad	3.70 mm	500 m
278-804-000	Van Damme Brown Series Ecoflex LSZH 4 way quad multicore	11.10 mm	500 m
278-808-000	Van Damme Brown Series Ecoflex LSZH 8 way quad multicore	20.00 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