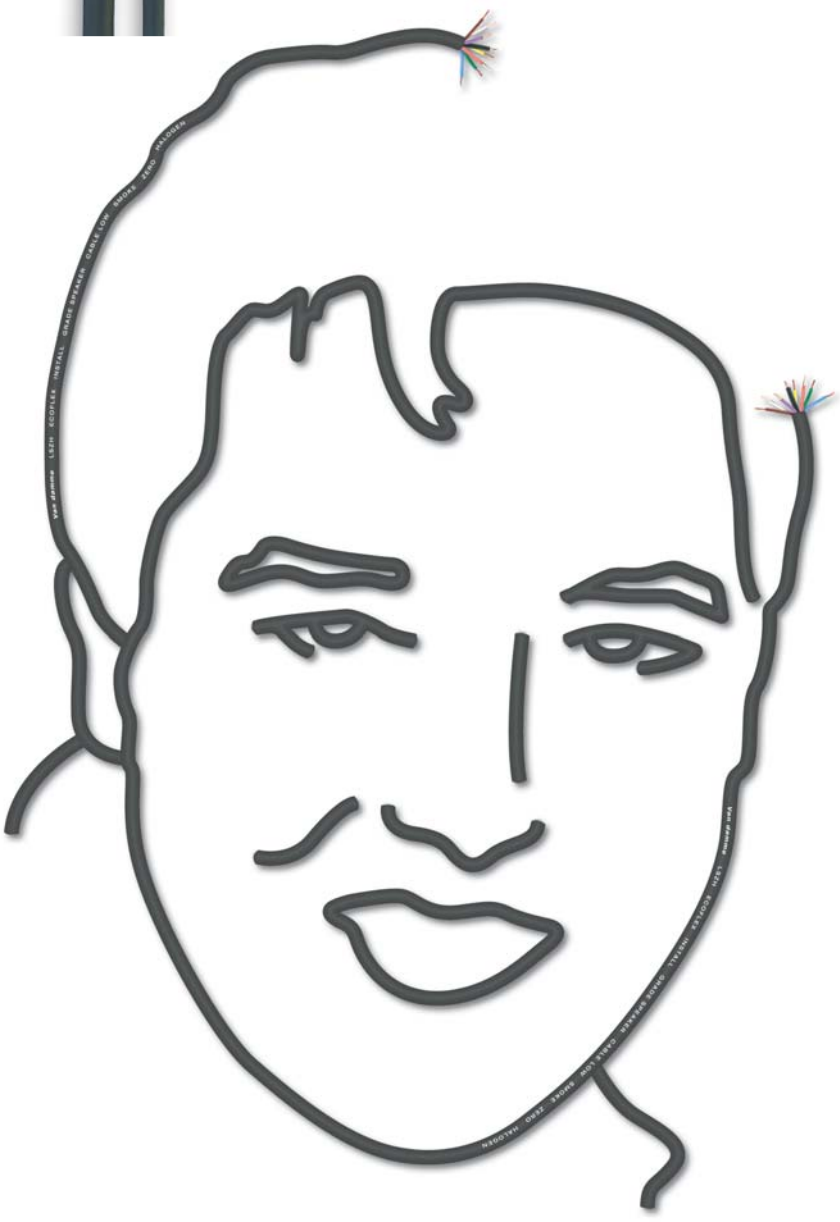
# cable

## Ecoflex Install Grade speaker cable LSZH




Van Damme Ecoflex Install Grade Speaker Cable LSZH is a Low Smoke Zero Halogen insulated and jacketed cable range. it is specifically designed for installation in public buildings and other areas where LSZH materials are specified such as new-build housing and marine installations. From 2 x 0.75mm for 100V line to 8 x 2.5mm for low impedance systems most speaker applications are well catered for.



### Applications

- Speaker installations in public buildings
- Marine installations

### Application notes

- 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 (see glossary for full description)
- IEC 60332.1 Fire resistance of a single cable
- IEC 60332.3C Fire resistance of bunched cables
- IEC 60754.1 Amount of Halogen Gas Emissions
- IEC 60754.2 Degree of acidity of released gases
- IEC 60134.2 Measurement of smoke density
- Ultra pure oxygen free copper for outstanding sonic integrity

# LSZH ecoflex series

## Overall Mechanical specification

| | |
|---|---|
| Conductor | Bare ultra pure oxygen free copper |
| Insulation | LSZH thermoplastic compound SHF-1 |
| Overall jacket | LSZH thermoplastic compound SHF-1 anthracite grey RAL 7016 |
| Working voltage | 300/500V |
| Test voltage | 2000V DC 1 minute |

## 2 to 8 conductor colour codes

| | |
|---|---|
| Conductor 1 | Red |
| Conductor 2 | Blue |
| Conductor 3 | Green |
| Conductor 4 | Yellow |
| Conductor 5 | White |
| Conductor 6 | Black |
| Conductor 7 | Brown |
| Conductor 8 | Violet |

## Characteristics by stock code

| Stock code | Description | Overall diameter | Weight Kg/km | Conductor stranding | Conductor resistance Ohm/Km |
|---|---|---|---|---|---|
| 278-575-080 | 2 x 0.75mm twin-axial | 5.60mm | 52 | 42 x 0.15mm | 24.50 |
| 278-515-080 | 2 x 1.50mm twin-axial | 6.60mm | 78 | 30 x 0.25mm | 12.50 |
| 278-525-080 | 2 x 2.50mm twin-axial | 7.80mm | 122 | 50 x 0.25mm | 7.30 |
| 278-542-080 | 4 x 2.50mm multicore | 12.50mm | 160 | 50 x 0.25mm | 4.60 |
| 278-582-080 | 8 x 2.50mm multicore | 17.20mm | 250 | 50 x 0.25mm | 3.20 |

• Maximum reel length 500 metres

