

## 27 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 retardancy of a single cable
- IEC 60332.3C 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
- 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  |
| Bend radius     | 10 x overall diameter                                      |

## 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

| Stock code  | Description           | Overall diameter | Weight<br>Kg/km | Conductor<br>stranding | Conductor<br>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           | 70              | 30 x 0.25mm            | 12.50                          |
| 278-525-080 | 2 x 2.50mm twin-axial | 7.80mm           | 110             | 50 x 0.25mm            | 7.30                           |
| 278-542-080 | 4 x 2.50mm multicore  | 12.50mm          | 175             | 50 x 0.25mm            | 7.30                           |
| 278-582-080 | 8 x 2.50mm multicore  | 17.20mm          | 324             | 50 x 0.25mm            | 7.30                           |
| 278-524-080 | 2 x 4.00mm multicore  | 10.80mm          | 183             | 50 x 0.30mm            | 4.60                           |
| 278-544-080 | 4 x 4.00mm multicore  | 11.00mm          | 252             | 50 x 0.30mm            | 4.60                           |

- Maximum reel length 500 metres

## Description

| Stock code  | Description  |
|-------------|--|
| 278-575-080 | Van Damme Ecoflex Install Grade LSZH speaker 2x0.75 twin axial   |
| 278-515-080 | Van Damme Ecoflex Install Grade LSZH speaker 2x1.50 twin axial   |
| 278-525-080 | Van Damme Ecoflex Install Grade LSZH speaker 2x2.50 twin axial   |
| 278-542-080 | Van Damme Ecoflex Install Grade LSZH speaker 4x2.50 multicore    |
| 278-582-080 | Van Damme Ecoflex Install Grade LSZH speaker 8x2.50 multicore    |
| 278-524-080 | Van Damme Ecoflex Install Grade LSZH speaker 2x4.00mm twin axial |
| 278-544-080 | Van Damme Ecoflex Install Grade LSZH speaker 4x4.00mm multicore  |