

# 3M™ E-A-R™ UltraFit™ 27 Reusable Earplugs

## Technical Data Sheet

### Product description

The 3M™ E-A-R™ UltraFit™ 27 earplugs features a proprietary, premolded, triple-flange design that fits comfortably in most earcanals. Ergonomic pistol grip for an easier fit.

### Features

- Low profile plastic bent fitting stems provide finger tip control for easier insertion of earplug tips into ear canals
- Highest Class for 3M™ reusable earplugs: SLC<sub>80</sub> 22dB (Class 4)
- Triple-flange provides proven protection without rolling or touching earplugs during insertion
- Washable and reusable
- Available in corded and uncorded versions

### Applications

The E-A-R™ UltraFit™ 27 earplugs are ideal for a wide range of industrial workplace and leisure environments. Examples of typical applications include:

- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- Heavy engineering
- Metal processing
- Textile manufacture
- Woodworking

### Standards

These hearing protectors have been produced to comply with the requirements of the Australian /New Zealand Standard AS/NZS 1270:2002.



### Laboratory Attenuation Values

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean (dB)	23.3	22.6	24.2	28.0	33.6	35.0	41.5
SD (dB)	7.7	7.5	8.0	8.3	8.2	10.4	9.4
Mean - SD (dB)	15.9	15.1	16.2	19.7	25.4	24.6	32.1

SLC<sub>80</sub> 22dB (Class 4)

3M strongly recommends personal fit testing of hearing protectors. Research suggests that users may receive less noise reduction than indicated by the attenuation label value(s) on the packaging due to variation in fit, fitting skill, and motivation of the user.

Hearing protector Class 4 tested to AS/NZS 1270. When selected, used and maintained as specified in AS/NZS 1269, this protector may be used in noise 95 dB(A) to less than 100dB(A), assuming an 85dB(A) criterion.

A lower criterion may require a higher protector class.

**Mean** = Mean attenuation value derived from testing in accordance with AS/NZS 1270:2002.

**SD** = Standard Deviation derived from testing in accordance with AS/NZS 1270:2002.

**Mean-SD** = Mean attenuation value minus Standard Deviation

**SLC80** = Single number rating commonly used in Australia and New Zealand to compare acoustic performance of hearing protectors. The subscript '80' indicates that in well managed hearing protector programs, the protection provided is expected to equal or exceed the SLC80 in 80% of protector-wearer noise spectrum combinations.

**Class** = A simplified process for selecting hearing protectors based on the wearers 8-hour equivalent continuous A-weighted sound pressure level.

## Storage

Store in an area free of contamination.

Do not leave your hearing protection device in areas or locations where it can be exposed to damage or contamination.

Sunlight is particularly damaging as UV light can have a detrimental effect on the materials the product is made from.

Chemical contamination can also have a serious effect on product integrity and decontamination after use is recommended.

Use a suitable storage container especially if left in a vehicle. This will protect the hearing protection device from damage and extend its working life.

## Ordering Information

3M Order Code	Model #	Description
70071515764	340-8001	3M™ E-A-R™ Ultrafit™ 27 Uncorded
70071515756	340-8002	3M™ E-A-R™ Ultrafit™ 27 Corded

### 3M™ E-A-Rfit™ Dual-Ear Validation System Test Probe

Not available

#### WARNING! Hearing Protection Products

These hearing protectors help reduce exposure to hazardous noise and other loud sounds. Misuse or failure to wear hearing protectors at all times that you are exposed to noise may result in hearing loss or injury. For proper use, see supervisor, User instructions, or call 3M TechAssist Helpline 1800 024 46.

**Important Notice:** To the extent permitted by law, 3M shall not be liable for any loss or damage including any loss of business, loss of profits, or for any indirect, special, incidental or consequential loss or damage arising from reliance upon any information herein provided by 3M. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.



**3M Australia Pty Ltd**  
**Personal Safety Division**  
Bldg A, 1 Rivett Road  
North Ryde NSW 2113

TechAssist Helpline 1800 024 464  
Customer Service 1300 363 565  
Email [techassist@mmm.com](mailto:techassist@mmm.com)  
Web [www.3M.com.au/ppesafety](http://www.3M.com.au/ppesafety)

**3M New Zealand Ltd**  
**Personal Safety Division**  
94 Apollo Drive, Rosedale  
Auckland 0632

TechAssist Helpline 0800 364 357  
Customer Service 0800 252 627  
Email [3mnzibt@mmm.com](mailto:3mnzibt@mmm.com)  
Web [www.3m.com.nz/ppesafety](http://www.3m.com.nz/ppesafety)

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