

# 3M™ E-A-RSoft™ Yellow Neons™ Disposable Foam Earplugs

## Technical Data Sheet

### Product description

The E-A-RSoft™ Yellow Neon™ roll-down earplugs are designed for insertion into the ear canal to help reduce exposure to hazardous levels of noise. These products are available in both corded and uncorded versions.

The Uncorded version is also available in refill bottle for the One Touch™ Dispenser.



### Features

- Slow expanding polyurethane foam helps make insertion easier. A rolled down foam earplug can be put into the ear canal easier before the foam fully expands to fill the ear canal
- Extremely soft foam helps provide increasing comfort and wearability
- Multiple size earplug offering (regular and large) help fit a broad range of ear canal sizes
- Tapered shape conforms quickly to most ear canals
- Compatible with E-A-Rfit™ Dual Ear Validation System
- Vibrant bright colour
- Supplied in polybag or dispenser refills
- Available in both corded and uncorded versions

### Applications

The E-A-RSoft™ Yellow Neons™ 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)	21.9	22.2	24.5	25.7	31.3	42.7	42.5
SD (dB)	8.1	7.4	7.7	6.2	4.8	5.5	7.9
Mean - SD (dB)	13.8	14.8	16.8	19.5	26.5	37.2	34.6

SLC<sub>80</sub> 23dB (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 100dB(A) to less than 105dB(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.

## Materials

The following materials are used in the manufacture of this product.

Component	Material
Earplugs	Polyurethane foam
Cord	PVC

## 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
70071515020	312-1250	3M™ E-A-Rsoft™ Yellow Neon™ Regular Uncorded
70071515152	311-1251	3M™ E-A-Rsoft™ Yellow Neons™ Large Corded
70071515053	312-1251	3M™ E-A-Rsoft™ Yellow Neons™ Large Uncorded
70071515087	391-1004	3M™ E-A-Rsoft™ Yellow Neons™ Regular One Touch - Bottle Refill (500 pair)
70071521309	391-1005	3M™ E-A-Rsoft™ Yellow Neons™ Large One Touch - Bottle Refill (500 pair)
70071562741	393-2000-50	3M™ E-A-Rsoft™ Yellow Neons™ Probed Test Plug
70071650249	393-2014-50	3M™ E-A-R™ Yellow Neons™ Large Test Plug

### 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.

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