

# Technical Datasheet

## 3M™ E-A-RSoft™ Yellow Neon™ Earplugs



### 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 and loud sound. These products are available in both corded and uncorded versions.

The Uncorded version is also available in One Touch™ Dispenser format.

### Key Features

- Slow expanding, polyurethane foam
- Extremely soft foam helps provide low pressure inside the ear canal thus increasing comfort and wearability
- Tapered shape conforms quickly to most ear canals
- Compatible with 3M™ E-A-Rfit validation system
- Vibrant bright colour
- Supplied in polybag or dispenser refills for ease of use
- Available in both corded and uncorded versions

### Applications

The E-A-RSoft™ Yellow Neon™ earplugs are ideal for high noise exposure levels, and are ideally suited to provide protection against all noise frequencies in a wide range of industrial workplace and leisure environment. Examples of typical applications include:

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

### Standard & Approval

These hearing protectors have been produced to comply with the requirements of the Australian /New Zealand Standard AS/NZS 1270:2002 under an agreed production certification scheme operated during manufacture in accordance with the SAI Global StandardsMark programme.

The E-A-RSoft™ Yellow Neon™ are tested and CE approved against the European Standard EN352-2:1993. These products meet the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC and have been examined at the design stage by INSPEC International Limited, 56 Leslie Hough Way, Salford, Greater Manchester M6 6AJ, UK (Notified Body number 0194).

### Materials

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

Component	Material
Earplugs	Polyurethane Foam
Cord	PVC



### 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(80) = 23dB

Class 4

### Key

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

SLC(80) = 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 SLC(80) 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.



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