



## E-A-RSoft™ Yellow Neon™ Roll-Down Earplugs

E-A-RSoft Neon Uncorded ES-01-001  
E-A-RSoft Neon Corded ES-01-005

### Product Description

The E-A-RSoft™ Yellow Neon™ Roll-Down Earplug 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 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
- Excellent sound attenuation characteristics - SNR 36dB
- Suitable for all frequencies, particularly low frequency noise
- Supplied in re-sealable pillow-pack 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 for all frequency noise 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



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### Standard & Approval

The E-A-RSoft™ Yellow Neon™ Earplugs have been 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) | 63   | 125  | 250  | 500  | 1000 | 2000 | 4000 | 8000 |
|----------------|------|------|------|------|------|------|------|------|
| Mf (dB)        | 23.7 | 30.8 | 36.1 | 39.2 | 39.5 | 35.8 | 42.1 | 46.1 |
| sf (dB)        | 6.7  | 6.5  | 6.7  | 4.7  | 3.9  | 4.9  | 3.1  | 3.3  |
| APVf (dB)      | 17.0 | 24.3 | 29.4 | 34.5 | 35.6 | 30.9 | 39.0 | 42.8 |

SNR = 36dB      H = 34dB      M = 34dB      L = 31dB

#### Key

APVf (dB) = Mf - sf (dB)

Mf = Mean attenuation value

sf = Standard deviation

APVf = Assumed Protection Value

H = High-frequency attenuation value (predicted noise level reduction for noise with L(C) - L(A) = -2dB)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with L(C) - L(A) = +2dB)

L = Low-frequency attenuation value (predicted noise level reduction for noise with L(C) - L(A) = +10dB)

SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, L(C) in order to estimate the effective A-weighted sound pressure level inside the ear).

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