3M Science. Applied to Life.™

# 3M™ E-A-Rsoft™ Yellow Neons™ Earplugs

## Key benefits:

### Convenient

- Available in both corded and uncorded versions
- Compatible with 3M™ E-A-R™ One Touch™ Pro Dispenser
- Tapered shape conforms quickly to fit comfortably in most ear canals
- Vibrant Neon yellow colour for hearing protection compliance sighting

### Comfortable

- Less bulky design makes it suitable for those with narrow ear canals
- Extremely soft foam helps provide low pressure inside the ear canal thus increasing comfort and wearability

### Protective

- Compatible with 3M™ E-A-RFit™ Dual Ear Validation System which measures the effectiveness of the earplug's protection level
- Particularly suited for low frequency noise

36dB SNR

### 95dB–110dB (A)

Suggested for noise levels within this range.

## 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

**M** = Medium-frequency attenuation value

**L** = Low-frequency attenuation value

**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)

## Materials

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

| Component | Material |
|---|---|
| Earplugs | Polyurethane foam |
| Cord | PVC |

## Ordering information

| Short ID | Description |
|---|---|
| **3M™ E-A-Rsoft™ Yellow Neons™ Earplugs** | |
| ES01001 | 3M™ E-A-Rsoft™ Yellow Neons™ Earplugs |
| ES01005 | 3M™ E-A-Rsoft™ Yellow Neons™ Earplugs corded |
| **3M™ E-A-R™ One Touch™ Pro Dispenser** | |
| 391-0000 | E-A-R™ One Touch™ earplug dispenser (dispenser only) |
| PD01002 | 3M™ E-A-Rsoft™ Yellow Neons™ Earplugs refill bottle |
| **3M™ E-A-RFit™ Dual Ear Validation System** | |
| 393-1100 | E-A-RFit™ Dual Ear Validation System |
| EARSOFTP | 3M™ E-A-Rsoft™ Yellow Neons™ Earplugs probed test plugs |

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