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3M™ E-A-Rsoft™ Yellow Neons™ Earplugs

Technical datasheet

Product description

The 3M™ E-A-Rsoft™ Yellow Neons™ Earplugs are designed for insertion into the ear canal to help reduce exposure to harmful levels of noise. These products are available in a corded and uncorded version.

These earplugs may be used in high noise environments and provide effective protection across all test frequencies. The uncorded version is also available in the 3M™ E-A-R™ One-Touch™ Pro Earplug Dispenser format.

Key features

- SNR 34 dB
- SNR is the same for both corded and uncorded models, see full attenuation table
- Higher 'L' value of HML data, provides better attenuation at low frequencies (< 500Hz)
- Slow recovery foam helps make insertion easier
- Soft pliable foam conforms to the shape of the ear canal for comfort and wearability
- Vibrant colour - neon yellow colour for hearing protection compliance sighting
- Available in both uncorded (ES-01-001) and corded (ES-01-005) versions
- Compatible with the 3M™ E-A-Rfit™ Dual-Ear Validation System

Standard and approval:

This product is in compliance with appropriate Directives or Regulations to fulfill the requirements for the CE and/or UKCA marking.

The full text of the Declaration of Conformity is available at the following internet address: www.3M.com/hearing/certs.

Materials

Ear plugs	Polyurethane foam
Cord	PVC

Nominal size range

Smallest fitted: 6 mm

Largest fitted: 11 mm

Attenuation values:

	Frequency (Hz) *f*								H	M	L	SNR
	63	125	250	500	1000	2000	4000	8000				
Mf (dB)	30.1	32.7	34.3	37.9	37.6	33.9	43.8	40.1	36.0	36.1	34.8	37.3
Sf (dB)	7.5	7.4	6.5	5.4	3.7	3.7	4.0	4.0	3.3	3.5	5.0	3.3
APVf (dB)	22.6	25.3	27.8	32.5	33.9	30.2	39.8	36.1	33	33	30	34

Key:

f = Test frequency

Mf = Mean attenuation value

Sf = Standard deviation

APVf (Mf - Sf) = Assumed Protection Value

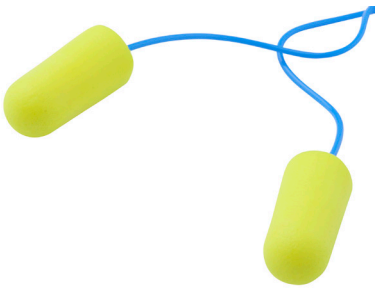
H = High-frequency attenuation value
(predicted noise level reduction for noise with LC – LA = -2dB)

M = Medium-frequency attenuation value
(predicted noise level reduction for noise with LC – LA = +2dB)

L = Low-frequency attenuation value
(predicted noise level reduction for noise with LC – LA = +10dB)

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

Information on Shelf life and service life can be found in the User Instructions.



Important notice

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable national and/or European regulations and standards. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: A limitation of liability applies to the 3M product(s). For warranty statement and limitation of liability, refer to your supply agreement or the 3M terms & conditions of sale.

3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use.