

Smartfit Detectable REF. 1012522





GENERAL DATA

Division: Head Protection Family: Hearing Protection Range: Earplugs Line: Detectable Earplugs

Line : Detectable Earplugs
Business Countries
United Kingdom

EMEA
Middle East

Activity Domains:

Agriculture • Army - Defence • ATEX environment • Automotive and Part Manufacturer • Aviation • Building and Construction • Catering • Chemical Industries • Energy or Electricity • Fire Protection brigades • Fishing • Food Industries • Foundry • Glass Industries • Green Spaces • Homeland defense • Industrial Cleaning • Iron and steel industry • Logistics • Maintenance • Medical and Pharmaceutical • Metal steel • Minning and Quarrying • Offshore • Paper Industries • Petro-chemical • Printing Industries • Services • Telecoms • Textile Industries • Transportation • Utilities • Water treatment • Welding • Wood Industries • Laboratory • Ship

Building • Industry • Administration

Product Use:
Multi-Use earplug
50 pair / box, polybag

Metal detection for the Food Industry

PRODUCT ADVANTAGES

Feature

CONFORMING MATERIAL TECHNOLOGY™

Thermoplastic Elastomer (TPE) adapts plug to the contours of the ear canal for a more personalized fit, feels better the longer you wear it.

VISUAL AND METAL DETECTION

Detectable ring on stem and attached metalized cord detectable by automated equipment, while blue color aids in visual detection.

IDEAL FOR PROCESS INDUSTRIES

Pulp & paper, food/beverage processing, tobacco.

Benefit :

Ears are like people — each one unique and different. That's what makes SmartFit Detectable such a marvel of user-friendly design. The only multiple-use earplug with Conforming Material Technology™ SmartFit Detectable uses body heat to adapt to the shape of the ear canal for a comfortable, personalized fit. Designed for process industries such as food and pulp/paper, SmartFit Detectable's bright blue color and metalized features aid can be detected by visual or automated methods. It's the ultra-smart choice for today's diverse workplace.



TEALN		
TECHN	19741 P	РПОМ

SNR (dB):

30

H (dB):

32

M (dB):

27

L (dB):

23

Attenuation Data:

Attenuation Data :								
Frequency (Hz) Frequenz (Hz) Fréquence (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB) Mittlere Dämmung (dB) Atténuation moyenne (dB)	30.9	31.4	28.8	32.5	33.8	35.6	39.3	41.9
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	6.2	7.3	8.9	8.1	7.3	4.3	6.0	5.0
Assumed Protection (dB) Angenommener (dB) Protection suppossé (dB)	24.7	24.1	19.9	24.4	26.5	31.3	33.3	36.9

Size: Fits All Shape: flange Color:

Corded : Yes Weight (grs) :

0.89

Blue

Design Patents :

Metal Detectable Earplug

ADDITIONAL INFORMATION

Life Cycle:

We recommend replacement every 2-4 weeks.

Storage Information:

All earplugs should be stored before and between usages in a way that protects them from dirt, grease, and other contaminants.

Care Instruction:

Our reusable earplugs may be washed in warm water and allowed to air dry. Washing may be repeated several times, but we recommend replacement every 2-4 weeks. Hydrocarbon based solvents, such as alcohol, should not be used to clean reusable ear plugs. The use of such solvent based cleaners may cause reusable plugs to soften, swell, and weaken with time. Additionally, with extended use, reusable plugs must be regularly inspected for serviceability.

User manual number:

PMB02280_R1.1

EAN Code: 033552014522

CERTIFICATION AND CONFORMITY

European Directives:

89/686/EEC



EC Category PPE*: Category II Standards: EN 352-2:2002 Quality Assurance: ISO 9001 / 2000 EC Certification Number: 1134 EC Attestation Number: 03.06.49, 04.08.09, 04.09.50
Laboratory: INSPEC
*PPE : Personal Protective Equipment



EC CONFORMITY DECLARATION

The manufacturer or its legal representative supplier settled in the European Community:

Howard Leight by Sperian

Declares that the next Personal Protective Equipment described here after is in conformity with the provisions of Council Directive 89/686/CEE:

Designation: Smartfit Detectable

Reference: 1012522

Standard(s): EN 352-2:2002

This PPE is the object of the above EC attestation type:

03.06.49, 04.08.09, 04.09.50

Delivered by:

INSPEC

56 Leslie Hough Way

Salford

M6 6AJ Greater Manchester

United Kingdom

Made at France, on the 10/10/2003

By:

Division: Head Protection

Shephon Gilder





EC TYPE-EXAMINATION CERTIFICATE: 1134

Product description: -

Hearing Protection – Re-usable Ear-plug

Product identification: -

Howard Leight SMARTFIT

Manufacturer:

Sperian Hearing Protection LLC 7828 Waterville Road San Diego CA 92154

When assessed and examined against harmonised standard EN352-2:2002 are found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Authorised EU Representative: -

Sperian Protection Europe Immeuble Edison - ZI Paris Nord II 33 Rue des Vanesses, BP55288 95958 Roissy CDG Cedex

France

Signed

...... Date: 10th October 2003

K J Warren, Manager, Certification Services

For and on behalf of INSPEC International Ltd. 56 Leslie Hough Way, Salford, Gt Manchester M6 6AJ England (Notified Body No: 0194)

certificate invalid if not embossed

For terms and conditions of issue, see page 2

Terms and Conditions

Reference Documents: -

i) Test Reports - INSPEC 03.06.49, 04.08.09, 04.09.50

ii) Technical File - TF/1134

iii) Test and Inspection Plan - SMF EARPLUG-SMARTFIT, RAW 8/1/03

Conditions attached to the issue of this certificate:

- i) Marking and instructions have been assessed in the English language only. It is the Manufacturers/Authorised Representatives responsibility to obtain and supply language versions acceptable to the country where the product is to be sold.
- ii) Any changes to the product, technical file or quality manual/quality plan shall be immediately notified to INSPEC.
- iii) The Manufacturer/Authorised Representative shall comply at all times with INSPEC's Regulations governing CE Product Certification.
- iv) This Certificate remains the property of INSPEC and may be withdrawn if any of the conditions attached to its issue are not complied with.

EC Certificate: 1134 Page 2 of 4 Revision: 081124

CERTIFICATION INDEX

Item	Status	Issued	Amendment
Page 1 of 2 Page 2 of 2 Page 1 of 2(Amendment ONE) Page 2 of 2(Amendment ONE)	Withdrawn Withdrawn Withdrawn Withdrawn	5/40/04	T. JIM JI O WILL
Page 1 of 2(Amendment TWO) Page 2 of 2(Amendment TWO)	Withdrawn Withdrawn	5/10/04 5/10/04	To add Model Smartfit blue detectable with PVC cord Add test report 04.09.50
Page 1 to 4	Valid	24/11/08	Name change to SPERIAN

CERTIFICATION SCHEDULE

Model:

SMARTFIT

SMARTFIT Orange / Cotton Cord SMARTFIT Blue / Nylon Cord

SMARTFIT Blue, Detectable plus PVC cord

Description:

Re-usable earplug

Size Range: 6 – 12mm

Attenuation Data - corded

Freq. (Hz)	125	250	500	1000	2000	4000	8000
Mean att. (dB)	19.5	21.1	22.0	21.4	27.4	31.2	35.7
Std. Dev. (dB)	12.2	10.8	9.9	9.6	8.4	8.5	11.3
APV (dB)	7.6	10.8	12.1	11.8	19.0	22.7	25.4
H = 32dB				L = 23dB	SN	IR = 30dB	

Attenuation Data - uncorded

Freq. (Hz)	125	250	500	1000	2000	4000	8000
Mean att. (dB)	20.4	20.8	22.4	25.2	30.4	33.4	37.8
Std. Dev. (dB)	8.0	9.3	9.0	8.6	5.9	7.5	8.0
APV (dB)	12.4	11.5	13.4	16.6	24.5	25.8	29.8
H = 32dB	N	1 = 27dB		L = 23dB	SN	NR = 30dB	