

3M Personal Safety Division  
Airport Communication Solutions

**PELTOR™**

The Sound Solution



For increased  
**Safety**  
in airport settings





# Reliability and durability

The 3M™ PELTOR™ Brand has provided smart communication solutions to airport operations for more than 20 years. The range of 3M™ PELTOR™ Headsets helps provide fine tuned attenuation levels for different noise environments and is approved according to applicable EN 352\* standard.

In addition to good attenuation, the headset range offers acoustic performance providing good communication in very high noise environments.

Durable design with high levels of comfort, allowing long term use under tough conditions.

\* European standards and markings for hearing protection.

## 3M™ PELTOR™ WS™ Ground Mechanic Headsets



3M™ PELTOR™ Wireless Solutions™ Ground Mechanic Headset features Bluetooth® wireless technology. No need to worry about cords and wires. Everything works wirelessly, with a range of up to 10 meters with the 3M™ PELTOR™ WS™ Adapter.

Once the headset and adapter have been paired, the memory function will allow the products to automatically connect next time they are switched on.

A simple press of a button on the headset lets the user communicate directly with the cockpit in full duplex. Volume is easy to adjust with plus and minus buttons on the side of the shell and a ghost voice confirms your menu selection.

The headset helps provide effective noise attenuation even when the sound level is high. This is important, and not just to help protect your hearing. It also helps provide clear, reliable communication in environments with loud noise levels. A noise compensated microphone helps minimize ambient noise from disturbing communications.

The new generation of 3M™ PELTOR™ WS™ Ground Mechanic Headsets are equipped with an advanced self adjusting VOX function that will adapt to the surrounding noise.

# Airport Solutions



MT7H7AWS5-01 GB

## 3M™ PELTOR™ WS™ Headset XP

This second generation headset with **Bluetooth®** wireless technology has several improved features, for example, faster PTT response, longer operating time, Adaptive Frequency Hopping and dynamic microphone. The headset has a built in ghost voice that guides you in the menu and pairing processes. This altogether makes this product easy to handle which can help ensure a safer and more efficient working day.

### MT7H7AWS5-01 GB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.4	24.0	31.9	34.4	35.1	37.0	35.1
Standard Deviation (dB)	2.8	2.9	3.0	2.5	4.3	4.0	3.2
Assumed Protection (dB)	14.5	21.1	28.9	31.9	30.8	33.1	32.0

368 g

SNR=31 H=32 M=29 L=22



MT15H7AWS5-01 GB

## 3M™ PELTOR™ WS™ ProTac XP Headset

In addition to the improved features described for 3M™ PELTOR™ WS™ Headset XP, the 3M™ PELTOR™ WS™ ProTac XP Headset provides a level dependent function which allows you to hear your surroundings. This means that you can hear warning signals more easily and communicate with your colleagues at a normal speech level- and still help protect your hearing. This headset has an external port to optionally connect a two-way radio via a PTT adapter and a FL6BA cable.

### MT15H7AWS5-01 GB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.4	24.0	31.9	34.4	35.1	37.0	35.1
Standard Deviation (dB)	2.8	2.9	3.0	2.5	4.3	4.0	3.2
Assumed Protection (dB)	14.5	21.1	28.9	31.9	30.8	33.1	32.0

396 g

SNR=31 H=32 M=29 L=22

## 3M™ PELTOR™ WS™ Adapter

Two simple buttons let you turn the unit on and off and pair between the adapter and the headset. Once the units are synchronised, you have a wireless connection between the adapter and your 3M™ PELTOR™ WS™ Headset.

Two 1.5 V AA batteries, or the special 3M™ PELTOR™ Accumulator Battery, help ensure long and reliable operation.

A new and very useful feature is "Cockpit notifications". As Ground Crew connect to the aircraft, the pilot will hear "Ground crew connected" and the Ground Crew will get a double bip as a confirmation that the link is working.

FL6BA Cable for external PTT adapter



FL6007-WS5 GB





MT7H79F-01 GB

## 3M™ PELTOR™ Ground Mechanic Headset Hi-Viz Headset

The headset has a dynamic differential microphone with excellent ambient noise compensation and a built-in microphone amplifier.

The frequency range of the headset speakers gives good sound reproduction.

- High attenuating cups with optimised acoustic design and excellent space for the ears to maximize the sound quality and comfort
- Dynamic differential microphone with excellent ambient noise compensation and a built-in microphone amplifier
- Quick positioning integrated microphone boom for easy handling

MT7H79F-01 GB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.7	27.1	33.8	38.1	36.2	33.6	37.1
Standard Deviation (dB)	2.9	2.1	2.4	2.6	2.3	2.5	2.2
Assumed Protection (dB)	14.8	25	31.4	35.5	33.9	31.1	34.9

EN 352-1,-6. Weight: 381 g

SNR=33dB H=33dB M=32dB L=24dB



MT7H79F-68 GB

## 3M™ PELTOR™ Ground Mechanic Headset Hi-Viz Direct Lead headset

3M™ PELTOR™ Direct Lead Headset has a PTT "Push to talk" button on the cup and moulded aircraft connector direct on the cable. Connect directly into the aircraft and talk to cockpit. If you need longer distance you can connect 3M™ PELTOR™ Extension Cables.

- Microphone with effective noise compensation for clear and reliable communication
- Quick positioning integrated microphone boom for easy handling
- PTT button on the shell
- Beam-mounted earphones that help provide the least possible resonance and distortion for excellent sound reproduction even in high-noise environments

MT7H79F-68 GB

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.7	27.1	33.8	38.1	36.2	33.6	37.1
Standard Deviation (dB)	2.9	2.1	2.4	2.6	2.3	2.5	2.2
Assumed Protection (dB)	14.8	25	31.4	35.5	33.9	31.1	34.9

EN 352-1,-6. Weight: 381 g

SNR=33dB H=33dB M=32dB L=24dB



## 3M™ PELTOR™ Ground Mechanic Adapters

The adapter is built into a functional, watertight, sturdy shell with no protruding parts, designed to fit the size and shape of a hand. Sturdy clamp that can be twisted 360° for easy attachment in all situations.

The PTT button is logically placed and specially designed to be easy to use even with heavy gloves.

### Product code

FL5006-GB  
FL5006-02 GB  
FL5006-03 GB  
FL5008 GB  
FL5008-02 GB

### Cable

Hi-Viz 3,0 - 6,0 m  
Hi-Viz 3,0 - 6,0 m  
Hi-Viz 3,5 - 10,0 m  
Hi-Viz 6,5 m  
Hi-Viz 3,0 m

### Connector

Original plug PJ051B  
3M™ PELTOR™ Moulded plug  
3M™ PELTOR™ Moulded plug, switch hotmic  
Original plug PJ051B  
3M™ PELTOR™ Moulded plug

# Other communication solutions for Ground Handling and Deicing



3M™ PELTOR™ LiteCom Headsets have a built in two-way radio for cable free short-range communication with other headsets within the 3M™ PELTOR™ LiteCom Series and portable two-way radios programmed on the same frequency. Microphones with level dependent function for ambient listening allow users to hear ambient noises, such as warning signals, and have face-to-face conversations. The headsets also have the ability to connect to other external equipment like cell phones or portable two-way radios (regardless of frequency) via Bluetooth® Wireless Technology or via an external audio input. The noise cancelling speech microphone with VOX functionality enables you to communicate hands free in noisy environments.



## 3M™ PELTOR™ LiteCom Headset

Our base model, but naturally fully loaded with features for effective communication and hearing protection. Upgraded electronics allow wireless communication over multiple parallel channels, and filter out distracting noise from the microphone as you talk. Rugged new design, clear indication of battery status and simple and intuitive settings mean that you can keep this headset in place for extended periods – for maximum hearing protection.



## 3M™ PELTOR™ LiteCom Plus Headset

3M™ PELTOR™ LiteCom Plus Headset opens up more communication links to the world around you, by connecting to a cell phone or an external two-way radio. Up to 69 channels and 121 subchannels let you communicate with more teams without distraction. The level-dependent filtering of ambient sound means you are never isolated from your immediate surroundings, but can hear other sounds such as alarm signals. The dual function of the dynamic microphone filters out noise while allowing you to talk easily, hands-free. The robust design, clear new controls, new menu system and quick-charge batteries that provide up to 20 hours of operation, reduce any need to take off the headset unnecessarily.



## 3M™ PELTOR™ WS™ LiteCom Headset

Bluetooth® Wireless Solutions opens up a world of communication with your headset at the hub. You become a mobile, hands-free communication center, with wireless connections through your headset's two-way radio and cell phone. You can talk, surf the web, email or stream music thanks to electronics that let you switch easily between functions. The level-dependent filtering of ambient sound lets you hear external alarm signals, for example. Robust design, clear controls and an intuitive menu system. This is a headset you will not want to take off.



## 3M™ PELTOR™ Headsets / Flex Headsets

### Direct-lead headset

With its carefully designed microphone/speaker system and excellent attenuation, the range offers unique acoustic performance providing communication in high-noise environments.

- High attenuating cups with optimised acoustic design and excellent space for the ears for best possible sound quality and comfort
- Quick Positioning integrated microphone boom for easy handling
- Soft, wide foam and fluid-filled sealing rings, individually sprung headband wires of stainless steel help provide an even and consistent distribution of pressure around the ears for best possible comfort
- PTT button on the cup



## Accessories



### Product code

HYM1000  
ACK053  
FR08  
FR09  
FP9007

### Description

Mike Protector tape "5m"  
Rechargeable battery pack, 2100 mAh  
Power Supply for FR09  
USB Battery charger for ACK053, EU/UK plug, 230 V  
Headset bag



HYM1000



ACK053



FR08



FR09



FP9007

### Headsets

MT7H79F\*-GB Headset  
MT7H7AWS5-01 GB Headset XP WS  
MT15H7AWS5-01GB ProTac XP WS

### Hygiene kit

HY79  
HY79  
HY79

### Wind shield surround microphone

-  
-  
M60/2

### Wind protection speech microphone

M40/1, M42/1  
M40/1, M42/1  
M40/1, M42/1



HY79



M60/2

# Hearing protectors Design, Comfort & Attenuation

## 3M™ PELTOR™ X Series – A new Standard

3M™ PELTOR™ X Series Earmuffs consists of 5 models from 27dB to 37dB SNR. All headband references have a large twin breathable headband for more comfort and dual molded cups for better handling. These earmuffs are electrically insulated with a hidden wire headband helping ensure a constant pressure over time. A simple colour helps to identify the products and their attenuation level.

The technological advancement is even more noticeable on the 3M™ PELTOR™ Earmuff X4, which features an extremely low profile design, lightweight (234g) with a 33dB SNR attenuation. And the 3M™ PELTOR™ Earmuff X5 with a 37DB SNR attenuation, limits the need for double protection, e.g., wearing earplugs and earmuffs in high noise environments.



X1A

X2A

X3A

X4A

X5A

### Description

X1A  
X2A  
X3A  
X4A  
X5A

### Article no.

XA007706873  
XA007706899  
XA007706915  
XA007706931  
XA007706956

### X1 (SNR 27 dB)

For protection against light industry noise, lawn mowing, power drilling etc.

### X2 (SNR 31 dB)

For protection against moderate to high noise levels including many industrial application, roadworks, construction etc.

### X3 (SNR 33 dB)

For protection against noise in forestry industry, airport, heavy engineering etc.

### X4 (SNR 33 dB in a slim cup)

For use against high noise levels in a wide range of industries

### X5 (SNR 37 dB)

For use against extremely high noise environment which often requires double protection, e.g. mining, quarrying, paper mills, gas turbines etc.



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