

Peltor Adapter

FL5000 – for extreme environments



The FL5000 adapter series – always

– Make yourself heard in the most extreme environments

The new Peltor FL5000 adapter series was developed by professionals for professionals. Close collaboration with demanding users and extensive testing in tough environments have convinced us that we have reached our goal – making communication in tough environments easier and safer. We know that our solutions work – on oil platforms in the North Sea, in damp mine shafts and at thundering airports.

High flexibility

The box has a standard Peltor J11 chassis jack. This lets you use Peltor's wide standard range of headsets without any further adaptations. Just plug in and start talking. The outgoing wire has a contact for a communication radio or telephone. Contacts are available for most modern communication radio and telephone systems on the market.

Sturdy

The adapter is built into a functional, watertight, sturdy shell with no protruding parts. The whole adapter, particularly the contact, is designed to keep moisture away from the circuits. The adapter is sealed to IP65. All external details are made of rust-proof materials. The cord has a flexible, durable reinforcement where it connects to the box, and some types of adapters have a cord with a very rugged copper alloy. The chassis jack and reinforcements have been tested thoroughly to withstand being plugged in, unplugged and bent at least 100,000 times.

Always close by – never in the way

The adapter is designed to fit the size and shape of the hand. On the back is a sturdy clamp that can be used to attach the adapter to your clothing. The clamp can be twisted 360°, making the adapter as easy and flexible as possible to use in all situations without being in the way or snagging on anything. The clamp can easily be removed if the adapter does not need to be fastened in place. The adapter also has a loop that can be used to fasten it in place when the clamp is not used.



Practical and easy to use

The PTT button is logically placed so that it is easy to access with either hand. The special design also makes it easy to use even with heavy gloves. The PTT button has a specific pressure point with a clear on/off indicator.

The jack is at a 10° angle to the fixed cord and positioned so that the headset is easy to plug in and unplug in all situations.

ways close by - never in the way



Range of models

Model		EEX-appr.	Cable type	Length
FL5001	Peltor standard	-	LC	0,7-2,1
FL5002	Motorola HT600, HT800, MT1000	ib IIB T4	LAM	0,6
FL5003	Dancall 6000, Tateco CTS900	-	LQ	0,6
FL5005	Ericsson Freeset	-	LQ	0,6
FL5006	Ground Mechanic	-	LC	3,0-6,0
FL5007	Ground Mechanic	-	LAL	1,5-6,5
FL5008	Ground mechanic	-	LC	6,5
FL5009	Motorola MX300	ib IIB T4	LAM	0,6
FL5010	Alinco, Icom, Yaesu, Zodiac	-	LQ	0,6
FL5011	Dittel FSG4, FSG5	ib IIB T4	LAM	0,6
FL5012	Motorola MX1000, MX2000, MX3000	ib IIB T4	LAM	0,6
FL5013	Ascom SE-140	-	LR	0,6
FL5014	Motorola GP300	ib IIB T4	Motorola	
FL5014	Radius P110	-	Motorola	
FL5016	Ericsson P50/500	ib IIB T4	Ericsson	
FL5017	Motorola Visar	-	LQ	0,6
FL5018	Motorola HT1000, MT2000, GP900	ib IIB T4	LAM	0,5-0,9
FL5019	Maxon slim line, Motorola Expo	-		0,6
FL5030	Motorola GP340	-	LC	0,6

Testing and approvals

Conforms to the CE requirements in the EU's EMC directive 89/336/EEG.

EEX-approved according to SS-EN 50014 and EN50020 (EEX ib IIB T4).
(The technical design is prepared for ATEX approval with approved headsets.)

Sealed to IP 65 according to IEC 60529.

Results of quality testing:

Cable reinforcement:	over 100,000 bends
Contact:	can be plugged in and unplugged over 100,000 times
Field test:	1.5 m after 20 hours at -30°C
Operating temperature:	min -30°C for 20 hours, max +55°C
Storage temperature:	max +55°C

Technical data

Max input voltage and current:

EEX-approved adapter:	max 10 V/450 mA
Non-EEX-approved adapter:	max 14 V/350 mA

The adapter has a universal circuit board that can be rewired for various applications. The circuit board is coated.
For contacts and cable lengths, see the range of models.

Material

Shell:	Polypropylene and polyolefin-based TPE
Cable:	LAL: 5-core cable with PUR casing and PTFE-insulated wires
LAM:	Screened 6-core cable with PUR casing and PTFE-insulated wires of a very durable copper alloy.
LC:	6-core cable with PUR casing and PTFE-insulated wires
LQ:	4-core cable with PUR casing and PTFE-insulated wires
LR:	Screened 6-core cable with PUR casing and PTFE-insulated wires

Accessories and spare parts

TKFL01 cable clamp:	Load-relieving clamp to attach the cord to the clothing.
TKD5005 clamp:	To attach the FL5000 adapter.
FEO231 plastic screw:	Screw for cover. Also serves as a stopper for the clamp.
AL spare part cable:	(see range of models)

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Some valuable characteristics

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



The whole adapter, particularly the contact, is designed to keep moisture away from the circuits.

Connecting cables with contacts are available for most modern communication radio and telephone systems on the market.



On the back is a sturdy clamp that can be twisted 360°, making the adapter as easy and flexible as possible to use in all situations.

The adapter is built into a functional, watertight, sturdy shell with no protruding parts and is designed to fit the size and shape of a hand.