



# Reusable ECG – EKG Leadwires

English

## Product Description:

FMT leadwires are used to connect electrodes on the patient to patient monitors or diagnostic EKG devices. FMT leadwires are compatible with various kinds of detachable type ECG-EKG cables on the market. Each product is supplied in a non-sterile nylon package. The product part number and description is stated below. Please refer to FMT compatibility chart or the product brochure for the available product types and compatibility information.

**E21-XX** 1.6mm DIN Type individually replaced leadwire with snap patient termination, **E22-XX** with grabber patient termination.  
**E31-XX** Siemens Type individually replaced leadwire with snap patient termination, **E32-XX** with grabber patient termination.  
**E41-XX** GE Type individually replaced leadwire with snap patient termination, **E42-XX** with grabber patient termination.  
**E51-XX** Philips Type individually replaced leadwire with snap patient termination, **E52-XX** with grabber patient termination.  
**E61-XX** Spacelabs Type individually replaced leadwire with snap patient termination, **E62-XX** with grabber patient termination.  
**E91-XX** Datascope Type individually replaced leadwire with snap patient termination, **E92-XX** with grabber patient termination, (XX shows color code or location designator)  
**E41-3XT** GE Type grouped 3 leadwires with snap patient termination, **E42-3XT** with grabber patient termination.  
**E41-5XT** GE Type grouped 5 leadwires with snap patient termination, **E42-5XT** with grabber patient termination.  
**E71-3X** Nihon Kohden Type grouped 3 leadwires with snap patient termination, **E72-3X** with grabber patient termination.  
**E71-6X** Nihon Kohden Type grouped 6 leadwires with snap patient termination, **E72-6X** with grabber patient termination.  
**E81-3X** Philips Type grouped 3 leadwires with snap patient termination, **E82-3X** with grabber patient termination.  
**E81-5X** Philips Type grouped 5 leadwires with snap patient termination, **E82-5X** with grabber patient termination, (X shows color code)  
**MTX2Y** Single Pin Lead Set for MultiMed Plus and MultiMed Plus OR Drager Multiparameter cable, (X shows number of leadwires, 3, 5 and 6, Y shows color code)  
**E101XY/Z** Dual Pole leadwire for FMT E101 and Marquette – Hellige EKG cable yokes.  
**E102XY/Z** Dual Pole leadwire for Philips M3703C modules.  
**E103XY/Z** Dual Pole leadwire for Philips Trim modules.  
**E104XY/Z** Dual Pole leadwire for GE AM4 / AM5 modules.  
**E105XY/Z** Dual Pole leadwire for GE AM6 / CAM14 modules.  
**E112XY/Z** Dual Pole leadwire for Norav 1200W EKG modules.  
**E117XY/Z** Dual Pole leadwire for Quinton Effort Test modules, (X shows patient termination type, Y shows color code, Z shows location designator or number of leadwires in the group)  
**E106XY/5 - E107XY/5** Grouped 5 leadwires for GE Multilink type yokes.  
**E108XY/5 - E109XY/5** Grouped 5 leadwires for GE Multilink MAC 400/1600 type yokes.  
**E110XY/5 - E111XY/5** Grouped 5 leadwires for Philips M1663A, M1949A type yokes.  
**E113XY/4 - E114XY/6** Grouped 4/6 leadwires for Medtronic/Physio Control Lifepak 12/20 yokes.  
**E118XY/10** Grouped 10 leadwires for Mortara AM12 and WAM EKG Module, (X shows patient termination type; grabber/banana, Y shows color code)  
**E118XY/5A - E118XY/5B** Grouped 5 leadwires for Mortara AM12 and WAM EKG Module, (X shows patient termination type; grabber/banana, Y shows color code)  
**E119GY/10** Grouped 10 leadwires for Mortara AM12 and WAM Stress EKG Module with grabber patient termination, (Y shows color code)  
**E119GY/5A - E119GY/5B** Grouped 5 leadwires for Mortara AM12 and WAM Stress EKG Module with grabber patient termination, (Y shows color code)  
**E120XY/Z** Leadwire for Welch Allyn CP100/200 modules, (X shows patient termination type, Y shows color code, Z shows location designator or number of leadwires in the group)  
**E121XY/10** Grouped 10 leadwires (as 3+3+4) for Philips PageWriter TC 30/50/70, (X shows patient termination type, Y shows color code)  
**E121XY/3A - E121XY/3B** Grouped 3 leadwires for Philips PageWriter TC 30/50/70, (X shows patient termination type, Y shows color code)  
**E122GY/6** Grouped 6 leadwires for Schiller Argus Pro Lifecare 2 type yokes with grabber patient termination, (Y shows color code)  
Note: -OR affix after leadwire part number shows that the leadwire has ESU protection feature.

## Instructions for Use:

- Check the compatibility of the leadwires with the available ECG-EKG cable yoke before use.
- Connect the leadwire to the ECG-EKG cable yoke. When connecting and disconnecting the leadwires pull or push on the plug, not on the cable.
- Attach the patient termination of the leadwires to the electrodes.

## Warnings:

- As with all medical equipment, carefully route leadwires to reduce the possibility of patient entanglement or strangulation.
- Discard a damaged leadwire immediately. Never repair a damaged leadwire, never use a modified leadwire.
- Do not twist unnecessarily or use excessive force when using, connecting, disconnecting, or storing the leadwire.
- Do not expose connectors and patient terminations to cleaning solutions as this may damage the leadwire. Do not immerse leadwire in any liquid.
- Keep the leadwires and patient cable connectors as far as possible from electro-magnetic sources. Also avoid placing the leadwire alongside the power cord of an electro-medical device.
- Keep leadwires away from moving parts that may pinch and crush them.
- Refer to the ECG device's operations manual for additional cautions and warnings.

## Cleaning:

- Unplug the leadwire from the instrument before cleaning.
- Saturate a clean, dry gauze pad with the cleaning solution. Wipe all surfaces of the leadwire with gauze pad.
- Saturate another clean, dry gauze pad with sterile or distilled water. Wipe all surfaces of the leadwire with this gauze pad.
- Dry the leadwire cable by wiping all surfaces with a clean, dry gauze pad.

EKG leadwires may be cleaned by wiping with a cloth dampened with a solution of warm water and mild detergent or ordinary alcohol free hand soap. Please do not clean with hard or frictional materials, clean with plastic cleaning brushes. After cleaning, rinse by wiping with a clean dampened cloth. Be sure to rinse thoroughly. Dry the leadwire by wiping all surfaces with a clean, dry gauze pad. Do not use wet leadwires. Do not immerse the leadwires. When wiping clean, hold the leadwire in one hand at the patient termination and wipe the cable toward the plug or the connector. Excessive pressure could stretch the cable jacket and break the internal wires, destroying the leadwire. If the leadwires are sunk in the disinfectants, oxidation in the metal parts of the connectors or sockets may occur. Avoid contact with strong, aromatic, chlorinated, ketone, ether, or ester solvents. The cable plugs should not be immersed into any kind of liquid. Do not clean in Ultrasonic baths.

## Disinfection:

Leadwires may be disinfected by washing with 70% isopropanol, ethanol, activated dialdehyde (Cidex) or sodium hypochlorite (bleach diluted 1:10 minimum in water). After washing, leadwires should be rinsed thoroughly with water and then dried with clean cloth.

**Note:** FMT does not make any claims as to the efficacy of these chemicals for infection control. Please consult your hospital's Infection Control Officer for applicable disinfection policies.

## Sterilization:

- The product may only be sterilized with ethylene oxide (EtO) at a maximum temperature of 50 °C (122 °F). After sterilization, cables must be safely and thoroughly ventilated before handling or use. FMT recommends an aeration time of 12 hours minimum to dissipate residual EtO in the cable below 250 ppm. It is important to check that there are no alterations to the components or overall functioning of the product in sterilization. At first sight of alteration the product must be replaced.
- Prior to sterilizing leadwire should first be cleaned. To avoid long term damage of leadwire, sterilize only when necessary as specified by your facility.
- The validation of the subsequent sterilization is the responsibility of the user.
- Do not autoclave leadwires. Do not sterilize by irradiation or steam. Do not clean in Ultrasonic baths.

## Storage:

The packed product should be stored at a temperature between 0 °C to 50 °C (32 °F – 122 °F) and relative humidity between 20% - 80%.

## Warranty:

FMT leadwires are under three (3) months warranty against material and workmanship defects from the date of the purchase. In warranty period, METKO will be responsible for changing the leadwires free of charge if the defect is proven. METKO does not guarantee the leadwires against damage during use.

**Caution: Federal Law (U.S.A.) restricts this device to sale by or on the order of a physician.**

FMT® is a registered trademark of METKO Ltd. FMT leadwires do not contain PVC and Latex.



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