



**Patient Cable and Hospital Cable product line**  
**Tamuz Catalog Medical Cables-(03-2017)**



**ECG & EKG**

- ▶ Diagnostic & Stress ECG
- ▶ ECG Leadwires
- ▶ Holter & Telemetry ECG
- ▶ Monitoring ECG



**EEG & EMG**

- ▶ EEG Lead Wires
- ▶ EMG Lead Wires



**SpO2**

- ▶ SpO2 Cables & Adaptors
- ▶ SpO2 Connectors
- ▶ SpO2 Sensors



**Temp**

- ▶ Temperature Cables and Adaptors
- ▶ Temperature Probes



**NIBP**

- ▶ NIBP Hose and Connector



**IBP**

- ▶ IBP Cables & Adaptors



**Electrosurgery**

- ▶ Bipolar
- ▶ Monopolar



**TENS & EMS**

- ▶ TENS / EMS leadwires
- ▶ Leadwire Connectors



**Nurse Cord**

- ▶ Nurse Cords
- ▶ Infusion Cables



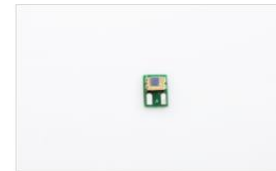
**Medical Electrodes**

- ▶ ECG Electrodes
- ▶ Conductive Silicone Electrode
- ▶ Stainless Steel Bracelet Electrode



**Medical Accessories**

- ▶ Cable and Leadwire Adapters
- ▶ Connectors and Sockets
- ▶ Metal Contacts and Parts



**Medical Sensors**



**Wire Harness**

- ▶ Wire Harness Assembly



**Respiratory**

- ▶ Heater Wire Adapter
- ▶ Medical Heater Wire





## 1) ECG / EKG Medical Cables and Lead wire

Electrocardiograph (ECG or EKG) is a transthoracic interpretation of the electrical activity of the heart over time captured and externally recorded by skin electrodes.

- **Compliance:** Meet ANSI/AAMI EC-53 safety and performance demand.
- **Instrument connectors and receptacles:**  
By both ready-made or customized connectors and receptacles, we aim to meeting safe, functional, sturdy, and unique needs. With your specific mechanical design of medical instrument/device, we can work with your idea and the design conditions to build your ideal instrument connector.
- **Trunk cable / cable system:** Available in several type cable systems such as Safety DIN, Twin Pin, Tru-Link, Multi-Link and so on, with 3, 4, 5, or 10-lead configurations which meet DIN 42-802 safety interconnection.
- **Color labeling:** According to AHA, IEC color codes as lead position mark in trunk cable yoke and lead wire termination.
- **Shielding:** Available in non-shielding and shielding design by requirement.
- **Anti-defibrillation:** Defibrillation protector can be built by requirement.
- **Lead wire:** There are copper wire and tinsel wire for your selection.
- **Lead wire connectors:** Feature customized over molding your logo/mark by design requirement. There are snap/stud, clip/pinch/grabber, DIN, and banana design for connecting medical electrode. For Holter or portable device, We can have you compact design of medical electrode connectors.



Diagnostic & Stress ECG



ECG LeadWires



Holter & Telemetry ECG



Monitoring ECG



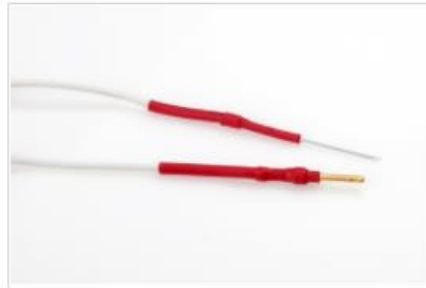
## 2) EEG / EMG Medical Cables

Electroencephalography (EEG) is the recording of electrical activity along the scalp produced by the firing of neurons within the brain. In clinical contexts, EEG refers to the recording of the brain's spontaneous electrical activity over a short period of time, usually 20–40 minutes, as recorded from multiple electrodes placed on the scalp.

Electromyography (EMG) is a technique for evaluating and recording the electrical activity produced by skeletal muscles. EMG is performed using an instrument called an electromyography, to produce a record called an electromyogram. An electromyography detects the electrical potential generated by muscle cells when these cells are electrically or neurologically activated. The signals can be analyzed to detect medical abnormalities, activation level, and recruitment order or to analyze the biomechanics of human or animal movement.



EEG Lead Wires



EMG Lead Wires

## 3) Saturation of Peripheral Oxygen (SpO2) Cables

In medicine, oxygen saturation refers to oxygenation, or when oxygen molecules (O<sub>2</sub>) enter the tissues of the body. In this case blood is oxygenated in the lungs, where oxygen molecules travel from the air and into the blood. As a result of this oxygenation, the color of the blood changes from dark purple to red. Oxygen saturation stats or O<sub>2</sub> stats measure the percentage of hemoglobin binding sites in the bloodstream occupied by oxygen.

That indirectly monitors the oxygen saturation of a patient's blood (as opposed to measuring oxygen saturation directly through a blood sample) and changes in blood volume in the skin, producing a photo plethysmograph. It is often attached to a medical monitor so staff can see a patient's oxygenation at all times.



SpO2 Cables & Adaptors



SpO2 Connectors



SpO2 Sensors



#### 4) Medical temperature probes:

- For most medical application, we offer 400 and 700 series specification with accuracy to +/- 0.1°C from 25°C to 45°C per EN 12470. Temperature Range: 0 to 50°C In special requirement, we also can customized your temperature probe specification. For different measuring applications, there are options in skin/surface and esophageal/rectal probe types for adult and pediatric, neonatal.
- **Compliant with 93/42/EEG Medical Device Directive:**  
The plastic material meet general medical steam autoclave requirement or even ISO 10993 and FDA USP class VI biocompatibility by your requirement.
- **Temperature probe plug:**  
Standard 6.35 mm phone plug, mini-DIN connector, or customized plug by customers requirement.
- **Medical temperature cables and adaptors:**  
For meeting disposable requirement, we can make compatible or your own design cables and adaptors.



Temperature Cables & Adaptors



Temperature Probes

#### 5) Non-Invasive Blood Pressure (NIBP) Hose and Connector

Blood pressure (BP) is the pressure exerted by circulating blood upon the walls of blood vessels, and is one of the principal vital signs. During each heartbeat, BP varies between a maximum (systolic) and a minimum (diastolic) pressure.





## Best Solution For Your Medical Connecting Design & Manufacturing

<p><b>ECG/EKG/EEG/EMG Cables</b></p> 	<p><b>Electrosurgical Bipolar &amp; Monopolar Cables Silicone Rubber Electrodes</b></p> 
<p><b>SpO2 sensors &amp; Adaptor &amp; Extension Cables</b></p> 	<p><b>TENS/EMS lead wires</b></p> 
<p><b>Nurse Call Cords</b></p> 	<p><b>Temperature Probes</b>      <b>IBP Cables</b>      <b>NIBP Air Hoses &amp; Connectors</b></p> 
<p><b>Parts &amp; Accessories</b></p> 	<p><b>Wiring Harnesses</b></p>  <p>SpO2 connectors - 9 pin custom connector</p>

### Better Connection For Life

Welcome to **OEM/ODM** your cables,  
connectors, and accessories.



- Batteries • Chargers • Power Supplies • Renewable energy solutions • Solar energy systems • Hardware
- Cable assemblies • Battery testers • Electronic components • Assembly services • Safety components