

Teledyne Cable Solutions

# Medical Instrument Cable

Teledyne Cable Solutions manufactures cable suited for medical diagnostic equipment.

Teledyne Cable Solutions is a vertically-integrated engineering and manufacturing company specializing in ruggedized cable and cable assemblies.

Teledyne Cable Solutions (TCS) offers application-specific cable and assemblies for noninvasive medical equipment and instrumentation, drawing from decades of experience working with tinsel, thermocouple, special alloy wires, highly flexible miniature coax, optical fibers, power, and video.

## WIRES AND CABLE CRITICAL TO THE PERFORMANCE OF MEDICAL ASSEMBLIES:

- Superior flexibility / limp designs provide freedom of movement
- Molded backshells mitigate vapor and moisture leakage and eliminate voids where bacteria can grow
- Autoclave compatible, extreme temperature resistant
- Triboelectric noise and static dissipative coatings
- High tensile strength wires and shielding
- Ultra rugged, cut resistant, ductile insulation
- Lead free
- Chemical resistant and flame retardant / halogen free available
- RF signal high isolation shielding
- High strand – high conductivity conductors



## Our business focus for demanding equipment applications includes:

- Laser surgery umbilicals
- Patient monitoring harnesses
- Mobile diagnostic systems
- Catheter sensor leads
- Advanced Imaging noise suppressant cable



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## THE FOLLOWING FEATURES ARE AVAILABLE:

### CONDUCTORS

- Power, sensor, analog conductors
- Data pairs and coax
- Solid, stranded and special alloy conductors
- Wire gauge: 42 through 00
- Twisted, shielded pairs
- PP, FEP, PE, TPO, TPV insulations

### WIRE ALLOYS AND STRANDING

Coppers, Cadmium free, High strength alloy, CS-95 (Beryllium Alloy), Radiopaque (LCX and Carbon Fiber), Tinsel, MFD® wires, thermocouple integration

### JACKETS

Single or dual wall composition, round, flat, or profile extrusions, TPU, TPO, FEP, RoHS compliant compounds, static control, sterilize tolerant

### PERFORMANCE ENHANCERS

Crush support, tensile support, increased flexibility, reduced friction and knotting, anti-microbial compounds, tubing, thermocouple wire

## TELETHANE®

This insulating jacket material is targeted for applications where heat and oil resistance exceeds traditionally processed thermoplastics. Rubber-like flexibility at temperatures down to -40°C and heat-stabilized, rated at 1000 hours at 175°C, this material replaces traditional cross-linked rubber at a significantly lower cost.

