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**CITCABLE FOR**

# **Medical Application Information**

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**Shenzhen CITCABLE Co., Ltd**



# Company Profile

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## WELCOME TO CIT WIRE & CABLE

CIT is a technology driven company who designs, manufactures and markets Ultra fine Medical Coaxial Cables and Medical cable products

CIT Wire & Cable is an elite provider of sophisticated wire and cable products for the Medical device industry. We are proud to offer an extensive range of products that can be used in Medical, Military, Electronics, Automotive and the Aerospace markets. In addition, we hold a number of certificates such as: UL, VDE, CUL, ISO 9000-2000 and ISO 9002-1994.

CIT's dedicated engineering group will be your extended team to remove your cable problems. The next few pages will profile our capabilities and cable breadth, more importantly, we have selected the best team of engineers to design and build your custom requirements

[WWW.CITCABLE.COM](http://WWW.CITCABLE.COM)

Shenzhen CITCABLE Co., Ltd



## Medical Experience and Application

Experience built up over last 15 years In the field of Medical wires and cables, we are proud to be firmly established as one of Medical industry's valued partners for decades now.

When your application is in the up-most extreme dynamic conditions such as, operating rooms, trauma centers, fields then, that's when our design and manufacturing teams become a source you need, We specialize in wires and cables that is manufactured with Silicone, Teflon, TPE, TPU, USP-PVC, High Temperature and Shielded cables.

Wide range of applications and demands:

Flexibility, flex life, high temperature, radiation resistant, steam resistant, small size, mechanically tough etc.

Available constructions

Temperature range  $-100^{\circ}\text{C}$  to  $+300^{\circ}\text{C}$

Conductors: Mainly 1, 2, 4, 6, 8, 120 cores From AWG 2 to AWG 42

Conductor: Stranded or solid Tin plated copper, silver plated copper, Gold plated copper, Nickel coated, Alloy copper.

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## Product Type

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- 7C, 16C, Ultra fine Coaxial Medical Cables
- 40AWG Micro Coaxial cable assembly
- Cable for Dental Imaging Systems
- Silicone Cable for Medical Surgery (Radio Knife)
- Silicone Cable for Medical Diagnostics
- Silicone Cable for Dynamic and Mobile Systems
- Silicone Cable for Spo2
- Silicone Cable for Radio-pharmacy Equipment
- Silicone Cable for Suction & Oxygen Therapy
- Silicone Cable for blood pressure measurement
- 78C Cable for automaton Care Systems

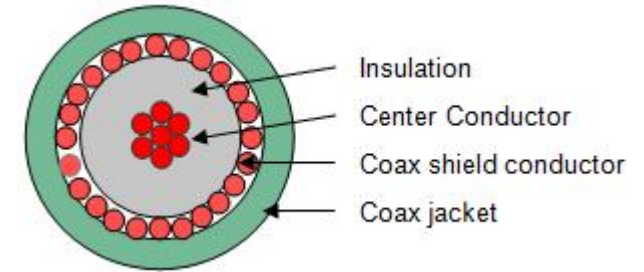
# Ultra fine Coaxial Medical Cables

• CITCABLE: 7C,12C ,16C, Ultra fine Coaxial Medical Cables

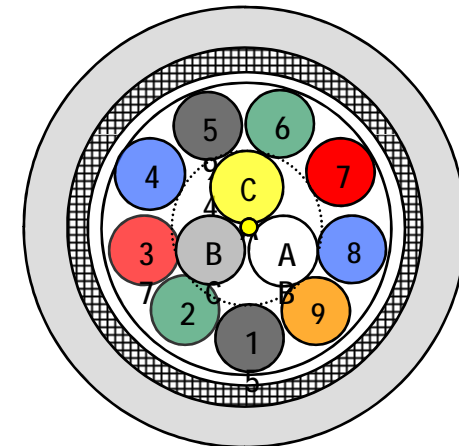
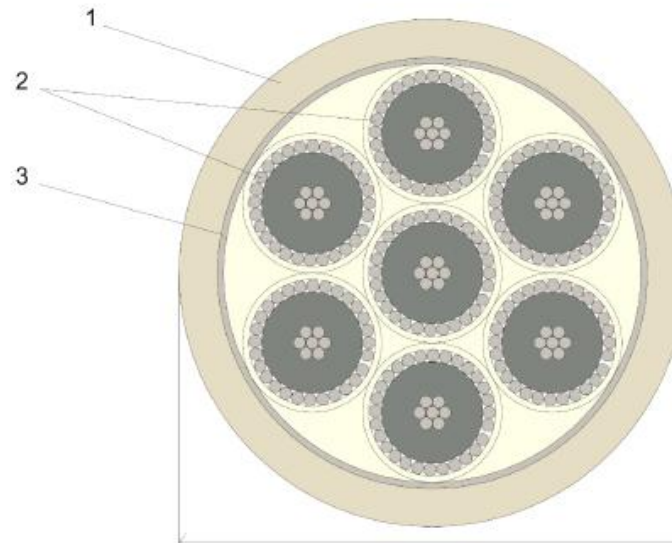
- 1, Impedance:  $\Omega 50 \pm 2$
- 2, Capacitance: pF/M 96
- 3, SWR(0~6GHz) /  $\leq 1.35$
- 4, Attenuation

F (MHz) dB/m

- 1000  $\leq 3.6$
- 2000  $\leq 5.4$
- 3000  $\leq 6.7$
- 4000  $\leq 7.9$
- 5000  $\leq 9.0$
- 6000  $\leq 9.8$



Overall cable description :





# 40AWG Micro Coaxial Cable Assembly

- CITCABLE: UL10005 40AWG Micro Coaxial Cable Assembly
  - 1, Our main advantage:
    1. We have got ISO9001 & ISO14001 certificates
    2. We are a professional OEM and have 10 years in this line
    3. KEL, JAE or others famous connector
    4. UL10005 40AWG Micro Coaxial cable
    5. Make free samples according to your drawings & SPEC
    6. Low noise generation and High noise rejection
    7. Best solution by EMI
    8. ODM & OEM are welcome!
  2. Main Environmental Performance:  
Resistant Temperature / Moisture / Salt-fog / Shock / Vibration
  3. Application:  
Digital camera, LCD, TV, Monitor equipment, etc.

CABLE: 40awg micro coaxial cable

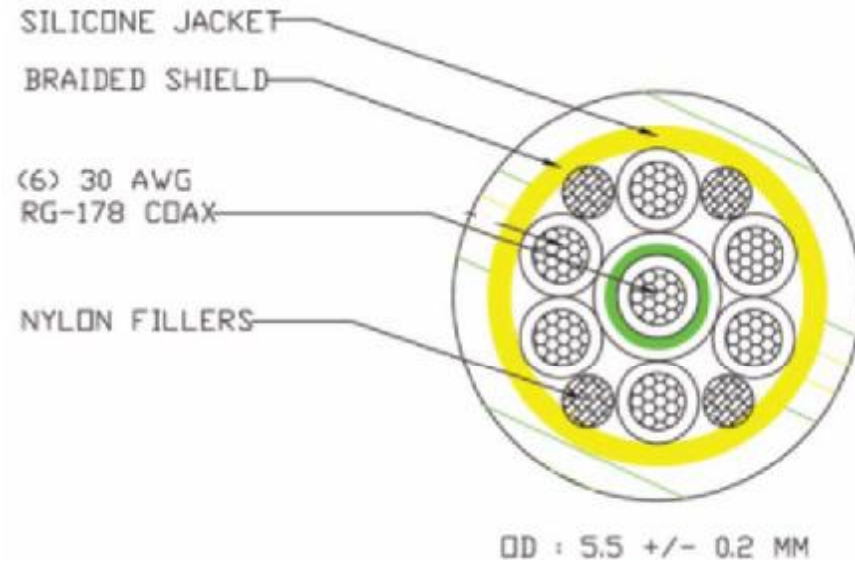
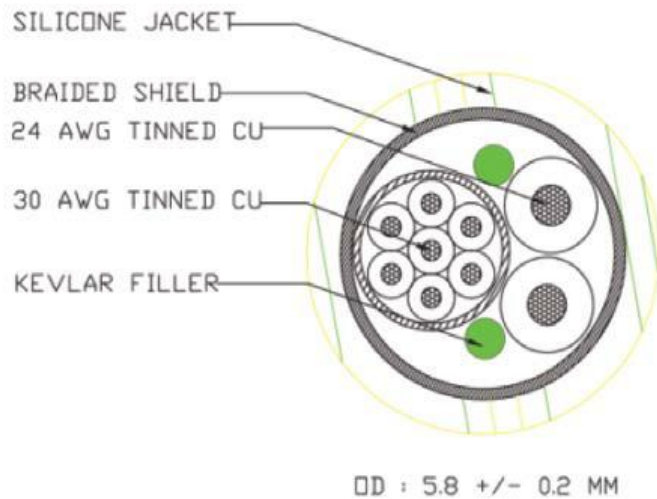
- professional
- lvs manufacturer
- micro or mini pitch cable assy





# Cable for Dental Imaging Systems

- CITCABLE: Cable for Dental Imaging Systems
- Composite cable used in body scanner
- Supplied for 10 years Flex life tested during approval

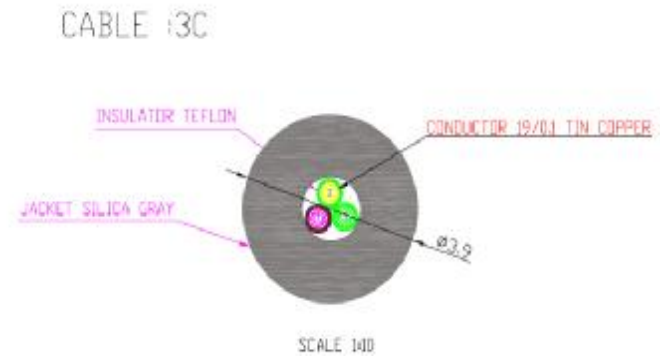
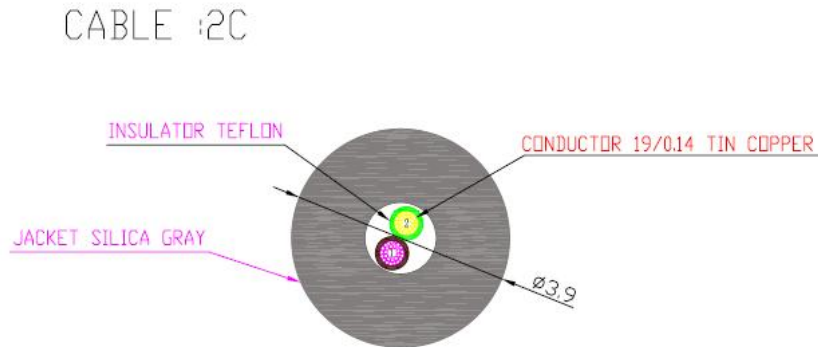




# Cable for Medical Surgery (Radio Knife)

- CITCABLE: Cable for Medical Surgery (Radio Knife)

- 1, 24AWG 2 or 3 core flexible silicone cable for use on Surgery
- 2, Very high flexibility to limit restriction to surgeon
- 3, Suitable for both steam and Cobalt 60 radiation sterilisation
- 4, High flex life







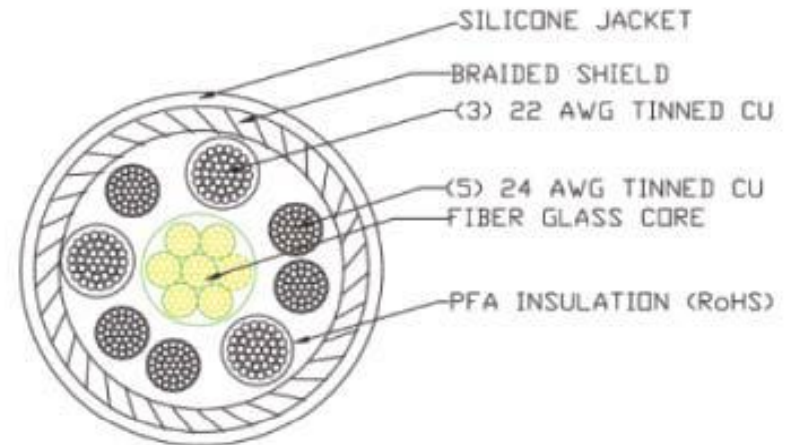
# Cable for Medical Diagnostics

- CITCABLE: Cable for Medical Diagnostics

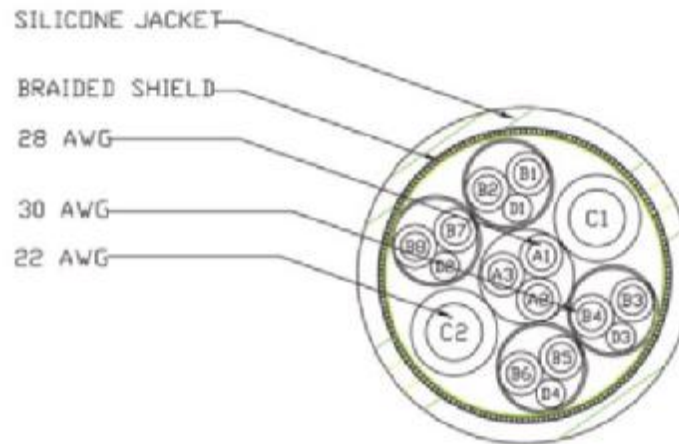
Multi-core screened cables used in Diagnostics system.

Produced into a harness.

CIT provide technologically advanced cables that meet the requirements of the medical industry's stringent demands.



OD : 5.8 +/- 0.2 MM



OD : 8.2 +/- 0.1 MM

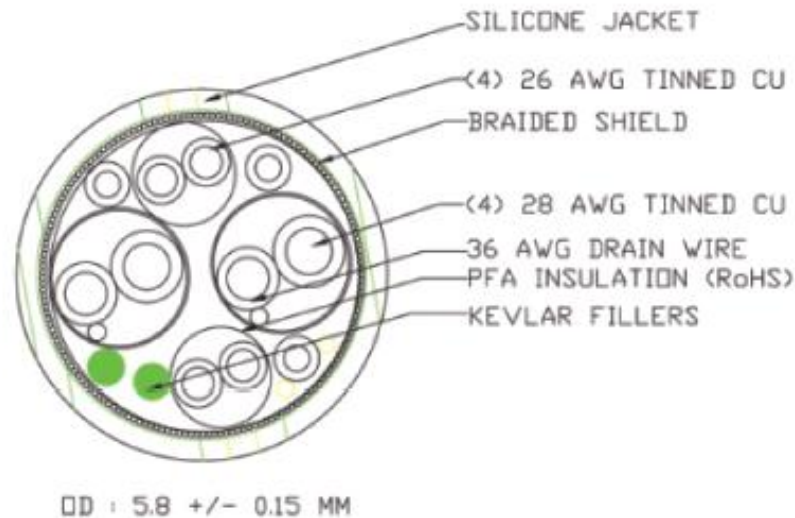


# Cable for Dynamic and Mobile Systems

- CITCABLE: Cable for Dynamic and Mobile Systems

Multi-core cable used in high quality dynamic and Mobile systems product.

Flexile and consistent appearance critical  
Calculated flex life 10,000,000 cycles





# Silicone Cable for Spo2

- CITCABLE: Silicone Cable for Spo2

## FEARTURES:

1. Quality 100% assured
2. Superior flexibility and durability, Aluminum foils shielding
3. Materials of connector and cable comply with Rohs standards
4. OEM available, Customizable and drawings are accepted



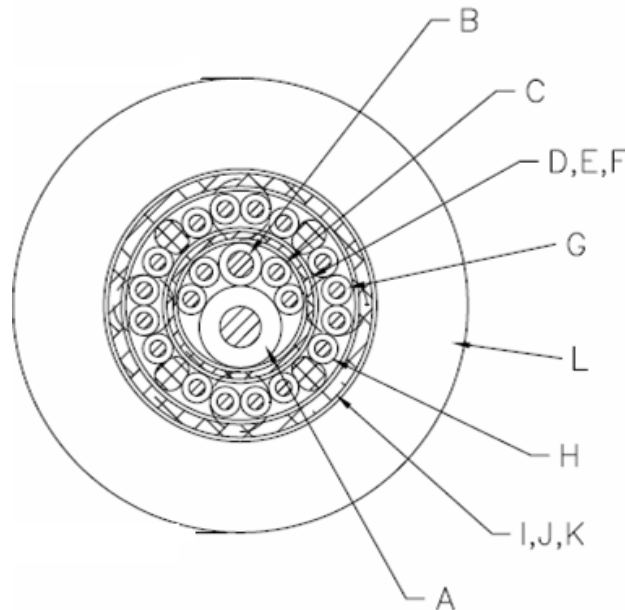
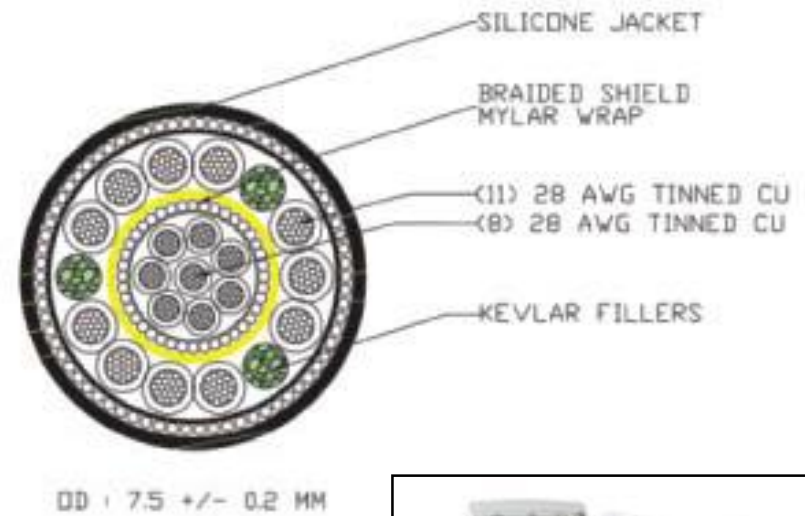


# Cable for Radio-pharmacy Equipment

- CITCABLE: Cable for Radio-pharmacy Equipment

1, Multi-core screened cables Composite cable used in Radio-pharmacy Equipment sensing devices

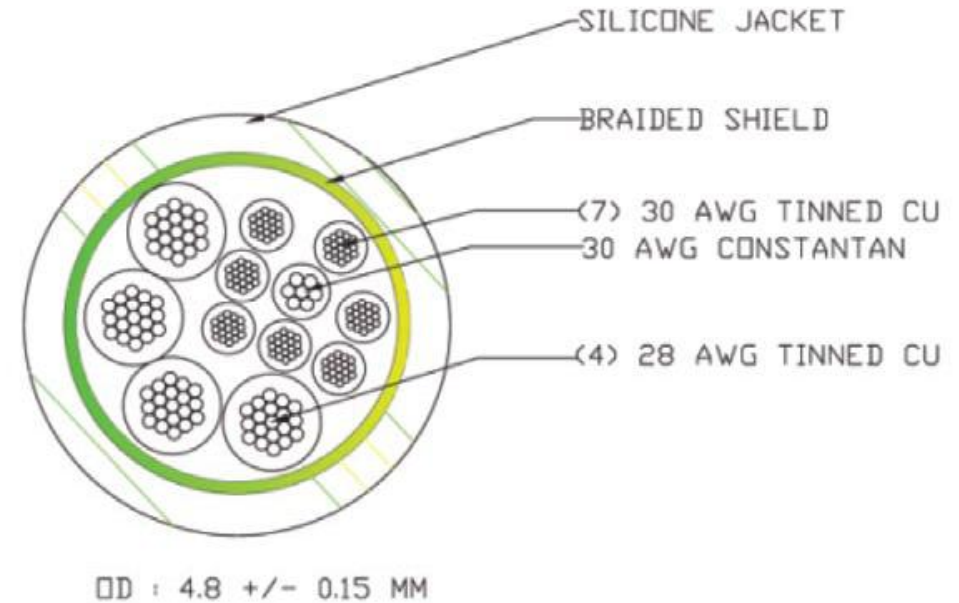
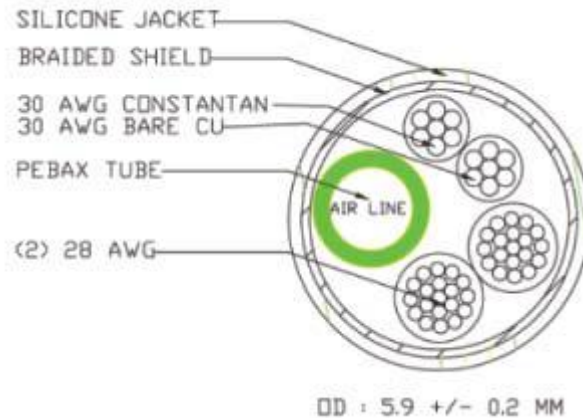
2 different cable types Versions for use on humans and animals Made into moulded harnesses where cable is jacketed in Silicone





# Cable for Suction & Oxygen Therapy

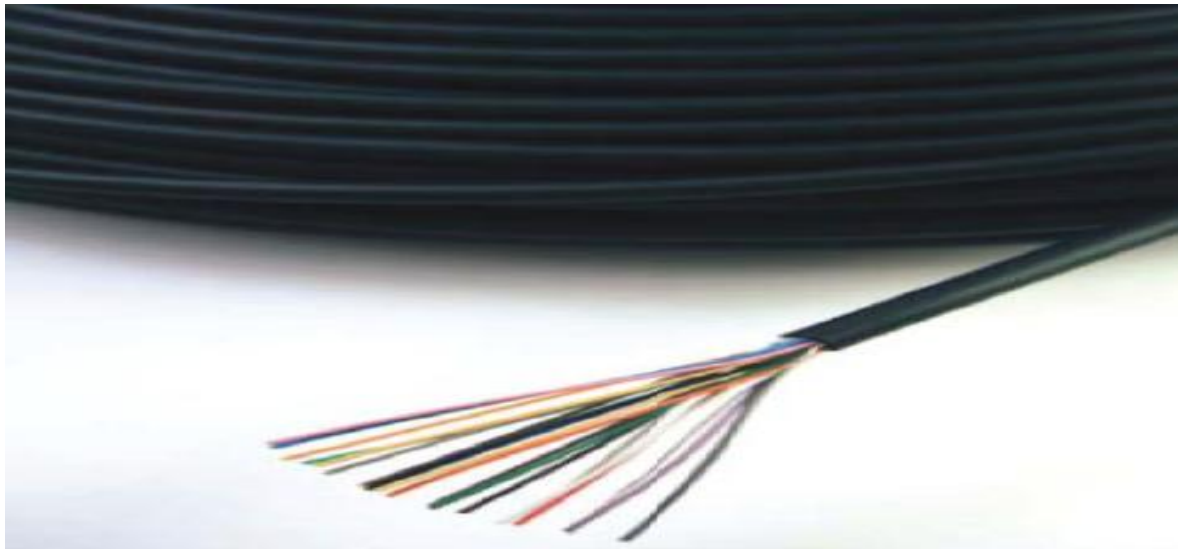
- CITCABLE: Silicone Cable for Suction & Oxygen Therapy
- Composite cable used in the moving arm of Suction & Oxygen Therapy machine
- High flex life Small bend radius
- Mechanically tough





# Cable for blood pressure measurement

- CITCABLE: Silicone Cable for blood pressure measurement
- High flex life
- Small bend radius
- Mechanically tough





# 78C Cable for automaton Care Systems

- CITCABLE: 78C Cable for automaton Care Systems

The cable used in high quality Ophthalmologic product.

Flexile and consistent appearance critical Small diameter

High flex life Small bend radius

Mechanically tough

