

# SPECIFICATION

P/N: MED BT 132X40AWG(C) PVC

Customer File NO. ....

Customer Signed by. ....

**SHS TECHNOLOGY CO.,LTD**  
**苏州尚虹鑫电子科技有限公司**

APPROVED	CHECK	DRAWING
<div><div></div><div>徐 磊</div><div>2023.9.8</div></div>	<div><div></div><div>徐 磊</div><div>2023.9.8</div></div>	<div><div></div><div>王思哲</div><div>2023.9.8</div></div>

## 1. Scope

This specification covers multi micro-coaxial cable for medical equipment.

## 2. Construction and Material

Item		Unit	Specified Value
Core Number		-	132
Conductor	Size	AWG	40
	Material	-	Tinned copper alloy
	Stranding	No./mm	7/0.03
Insulation	Material	-	Fluoropolymer(Color: Black)
	Thickness	mm	0.07
	Diameter	mm	0.23
Spiral Shield	Type	-	Wrap
	Material	-	Tinned copper
	Coverage	%	Min.95
Jacket	Type	-	Wrap
	Material	-	Polyester tape (Color:Green)
	Diameter	mm	0.34±0.02
Cabling		-	See Fig.2
Tape	Material	-	PTFE
Braid Shield	Material	-	Tinned copper wire
	Strand	mm	0.08
	Coverage	%	Nom.85
Sheath	Material	-	Medical PVC (Color: Ivory)
	Thickness	mm	0.70
	Diameter	mm	7.00±0.30

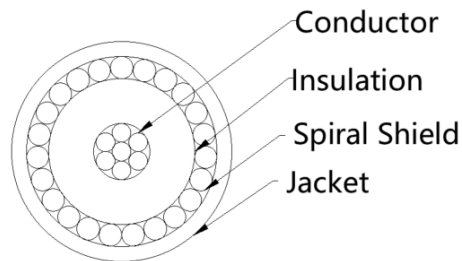
## 3. Electrical Properties

Item	Unit	Specified Value
Conductor Resistance (@ 20°C)	Ω /km	Max. 5.000
Insulation resistance (@ 20°C)	MΩ -km	Min. 1,000
Dielectric Strength <sup>1)</sup>	-	To withstand A.C. 500V for 1min
Capacitance (@ 1kHz)	pF/m	Nom. 110
Impedance (@ 10mHz)	Ω	Nom. 50

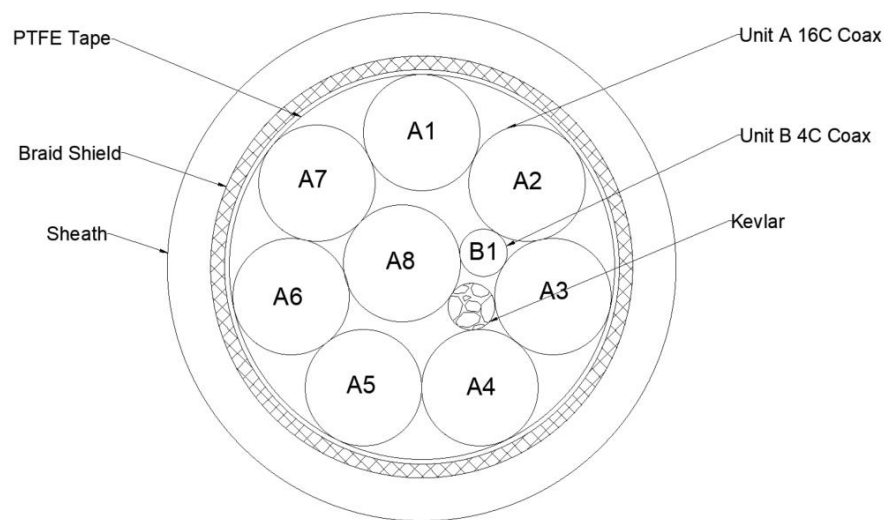
Note 1): Applied between conductor and spiral shield.

#### **4. Package**

- 1). Unit length : According to customer requirements
- 2). Package: Coiled into plastic bag and then packed into carton box



**Fig.1 Cross section of coax**



**Fig.2 Cross section of cable**

