




# SPECIFICATION

P/N: MED 132X40AWG (110PF) 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
		

### 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	-	PFA (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:See Table1, Fig1)
	Diameter	mm	0.34±0.02
Cabling		-	See Fig.2
Tape	Material	-	PTFE
Braid Shield	Material	-	Tinned copper
	Strand	mm	0.08
	Coverage	%	Nom.85
Sheath	Material	-	Medical PVC (Color: Ivory)
	Thickness	mm	0.80
	Diameter	mm	7.00±0.25

### 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 : Nom. 100m(min. 10m)
- 2). Package: Coiled into plastic bag and then packed into carton box

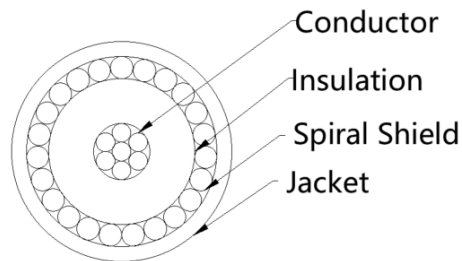


Fig.1 Cross section of coax

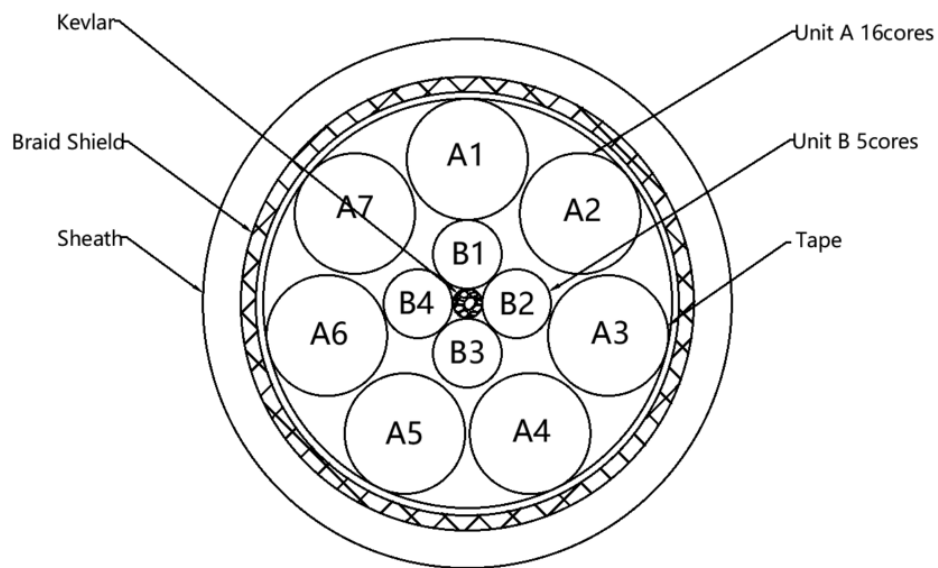


Fig.2 Cross section of cable

Table1. Color of each coax

Unit	Color	Unit	Color
A1	Red	A7	Brown
A2	White	B1	Gray
A3	Blue	B2	Orange
A4	Green	B3	Gray
A5	Yellow	B4	Orange
A6	Black		

