

# SPECIFICATION




P/N: MED 132X42AWG(52PF)+7X28AWG

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
 <p>徐磊 2023.10.20</p>	 <p>徐磊 2023.10.20</p>	 <p>王思哲 2023.10.20</p>

## 1. Scope

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

## 2. Construction and Material

Item		Unit	Specified Value	
Core Number		-	132	7
Conductor	Size	AWG	42	28
	Material	-	Silver plated copper alloy	Tinned copper
	Stranding	No./mm	7/0.025	19/0.08
Insulation	Material	-	ePTFE/PET	FEP
	Color	-	Yellow	Red
Spiral Shield	Type	-	Wrap	Wrap
	Material	-	Tinned copper	Tinned copper
	Coverage	%	Min.95	Min.95
Jacket	Material	-	Polyester tape	FEP
	Color	-	Black	Yellow
	Diameter	mm	0.37±0.02	0.70±0.03
Binder Tape	Material	-	PTFE	
Braid Shield	Material	-	Silver plated copper	
	Strand	mm	0.08	
	Coverage	%	Nom.90 (Min.85)	
Sheath	Material	-	Medical PVC (Color: Ivory)	
	Thickness	mm	0.8	
	Diameter	mm	8.3±0.3	

## 3. Electrical Properties

Item	Unit	Specified Value	
		42AWG	28AWG
Conductor Resistance (@ 20°C)	Ω/km	Max. 7,300	Max. .205
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	52±5	-
Impedance (@ 10mHz)	Ω	85±5	-

Note 1): Applied between conductor and spiral shield.

**4. Package**

- 1). Unit length : According cumtomer requirement.
- 2). Package: Coiled into plastic bag and then packed into carton box

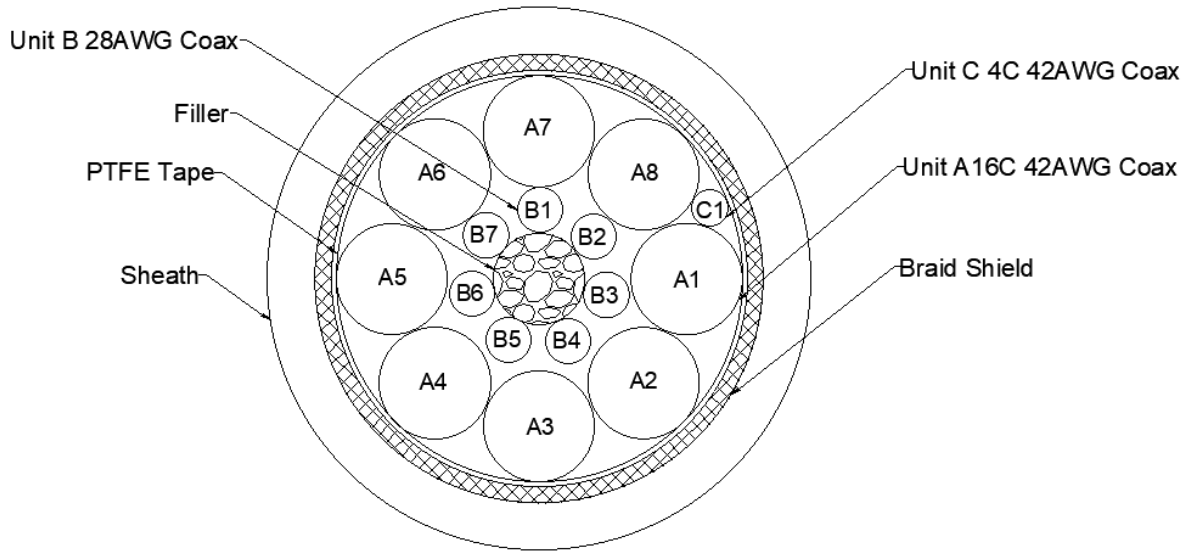


Fig.1 Cross section of cable

