

# SPECIFICATION

P/N: MED 6X30AWG+2X24AWG 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>徐 磊</div> <div>2024.9.18</div>	<div>徐 磊</div> <div>2024.9.18</div>	<div>王思哲</div> <div>2024.9.18</div>

## 1. Scope

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

## 2. Construction and Material

Item		Unit	Specified Value	
Core Number		-	Unit A:6	Unit B:2
Conductor	Size	AWG	30	24
	Material	-	Silver plated copper	Tinned copper
	Stranding	No./mm	7/0.10	37/0.08
Insulation	Material	-	Fluoropolymer	Fluoropolymer
	Color	-	Black	Black,Red
	Thickness	mm	0.29	0.14
	Diameter	mm	0.89	0.85
Spiral Shield	Type	-	Wrap	
	Material	-	Tinned copper	
	Coverage	%	Min.95	
Jacket	Material	-	PET Tape	
	Color	-	White,Black,Blue,Red, Green,Yellow	
	Thickness	mm	0.05	
	Diameter	mm	1.04±0.05	
Cabling		-	See Fig.1	
Tape	Material	-	AL/PET	
Braid Shield	Material	-	Tinned copper	
	Coverage	%	Nom.90	
Sheath	Material	-	PVC (Color: Black)	
	Thickness	mm	0.5	
	Diameter	mm	5.0±0.3	

\* Add the filler to make the cable round if necessary.

### 3. Electrical Properties

Item	Unit	Specified Value	
		A:30WG	B:24AWG
Conductor Resistance (@ 20°C)	$\Omega$ /km	Max. 354	Max. 105
Insulation resistance (@ 20°C)	M $\Omega$ -km	Min. 1,000	
Dielectric Strength <sup>1)</sup>	-	To withstand A.C. 500V for 1min	
Capacitance (@ 1kHz)	pF/m	110 $\pm$ 10	-
Impedance (@ TDR)	$\Omega$	50 $\pm$ 5	-

Note 1): Applied between conductor and spiral shield with 30AWG coax

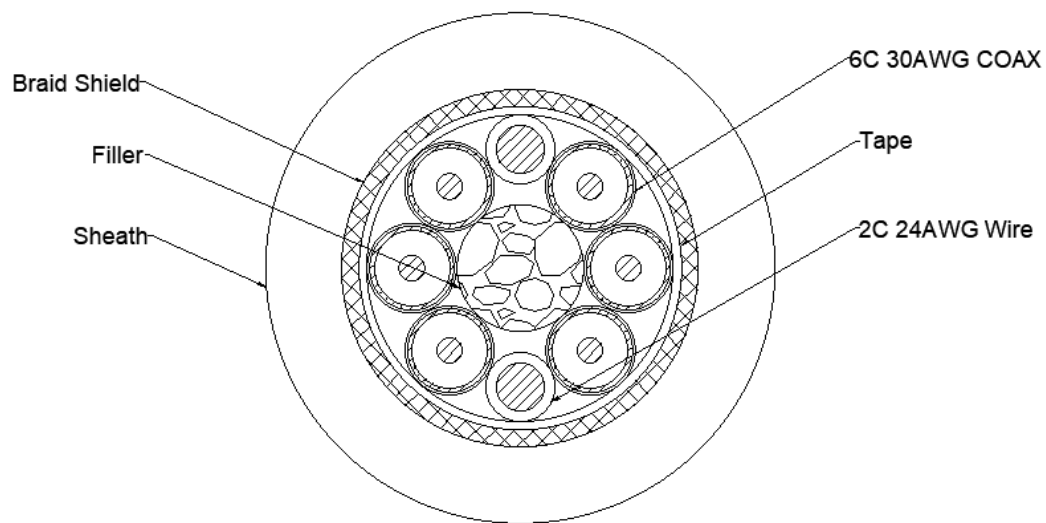


Fig. 1 Cross section of cable

