

# SPECIFICATION

MED 7PX36AWG+2X32AWG

Customer Reference. \_\_\_\_\_

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>2024.9.4</div></div>	<div><div></div><div>徐磊</div><div>2024.9.4</div></div>	<div><div></div><div>王思哲</div><div>2024.9.4</div></div>

### 1. Scope

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

### 2. Construction and Material

Item		Unit	Specified Value	
Core Number		-	7P	2
Conductor	AWG Size	-	36	32
	Material	-	Silver plated copper	Tinned copper
	Stranding	No./mm	7/0.05	7/0.08
Insulation	Material	-	Fluoropolymer	Fluoropolymer
	Color	-	White, Black,Red,Blue, Green,Yellow,Brown,Gray	Red,Black
	Thickness	mm	0.065	0.055
	Diameter	mm	0.28	0.35
Twisted		mm	White/Blue,Black/Blue,Red/Blue Green/Blue,Yellow/Blue,Gray/Blue, Brown/Blue	
Cabling		-	See Fig.1	
Spiral Shield	Material	-	Tinned copper	
	Strand	mm	0.08	
	Coverage	%	Nom.90	
Tape	Material	-	PTFE Tape	
	Overlap	%	Min. 25	
Jacket	Material	-	Medical TPV (Color: Mushroom)	
	Thickness	mm	0.5	
	Diameter	mm	3.0±0.2	

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

### 3. Electrical Properties

Item	Unit	Specified Value	
		36AWG	32AWG
Conductor Resistance (@ 20°C)	Ω /km	Max. 1412	Max. 597
Insulation resistance (@ 20°C)	MΩ -km	Min. 500	
Dielectric Strength <sup>1)</sup>	-	To withstand A.C. 500V for 1min	
Impedance (@ TDR)	Ω	100±10	-

1): Applied between each conductor.

#### **4. Package**

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

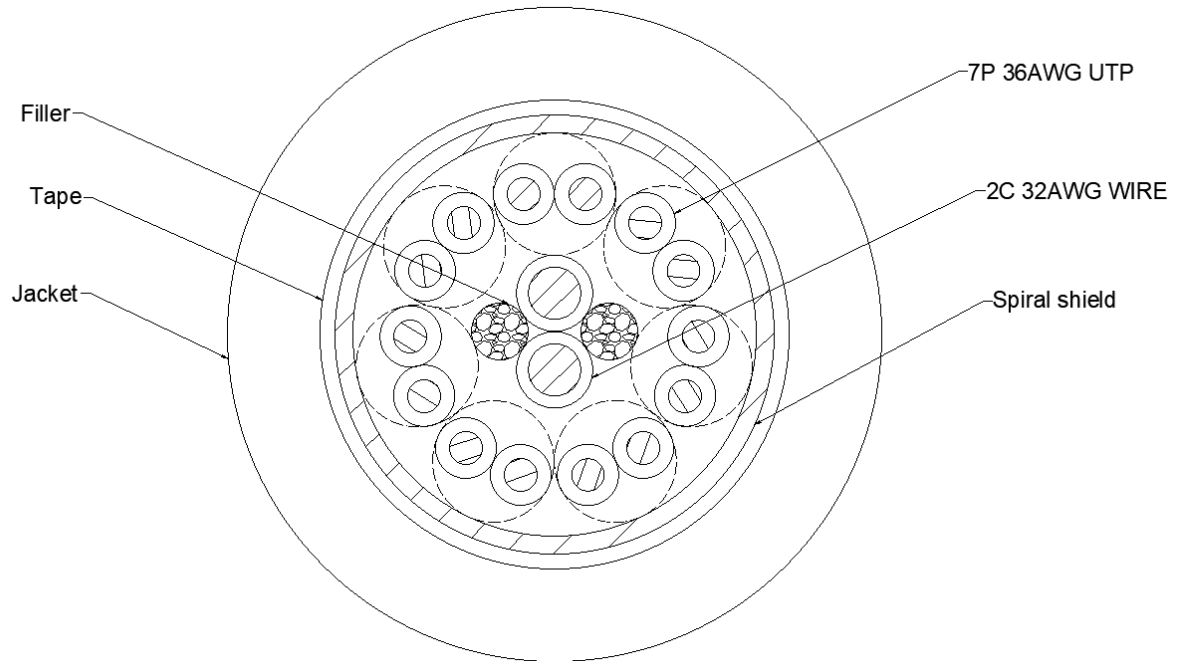


Fig.1 Cross section of cable.

