




# SPECIFICATION

P/N: MED 3PX36AWG+6X34AWG

Customer File NO. ....

Customer Signed by. ....

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

APPROVED	CHECK	DRAWING
 <p>徐磊 2022.4.12</p>	 <p>徐磊 2022.4.12</p>	 <p>王思哲 2022.4.12</p>

## 1. Scope

This specification covers the construction and the electrical properties for medical device.

## 2. Construction and Material

Item		Unit	Specified Value	
Core Number		-	3P	6C
Conductor	Size	AWG	36	34
	Material	-	Tinned copper	Tinned copper
	Stranding	No./mm	7/0.05	7/0.064
	Diameter	mm	0.15	0.42
Insulation	Material	-	Fluoropolymer	Fluoropolymer
	Color		See Table.1	See Table.1
	Thickness	mm	0.115	0.06
	Diameter	mm	0.38	0.32
	Drain Wire	-	7/0.05 Tinned copper	/
Shield	Material	--	AL-Foil / Mylar	
	Thickness	mm	0.025	
	Overlap	%	Min.25	
Cabling	Construction	-	See Fig.1	
Binder Tape	Material	-	AL-Foil / Mylar	
Braid Shield	Material	-	Tinned copper	
	Strand	mm	0.05	
	Coverage	%	Nom.85	
Jacket	Material	-	Fluoropolymer (Color: Black)	
	Thickness	mm	0.09	
	Diameter	mm	2.2±0.1	

Note: Add the filler to make the cable round if necessary.

## 3. Electrical Properties

Item	Unit	Specified Value	
		36AWG	34AWG
Conductor Resistance (@ 20°C)	Ω/km	Max.1596	Max. 900
Insulation resistance (@ 20°C)	MΩ-km	Min. 500	
Dielectric Strength	-	To withstand A.C. 500V for 1min	
Differential Impedance(@ TDR)	Ω	100±10	-

**4. Package**

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

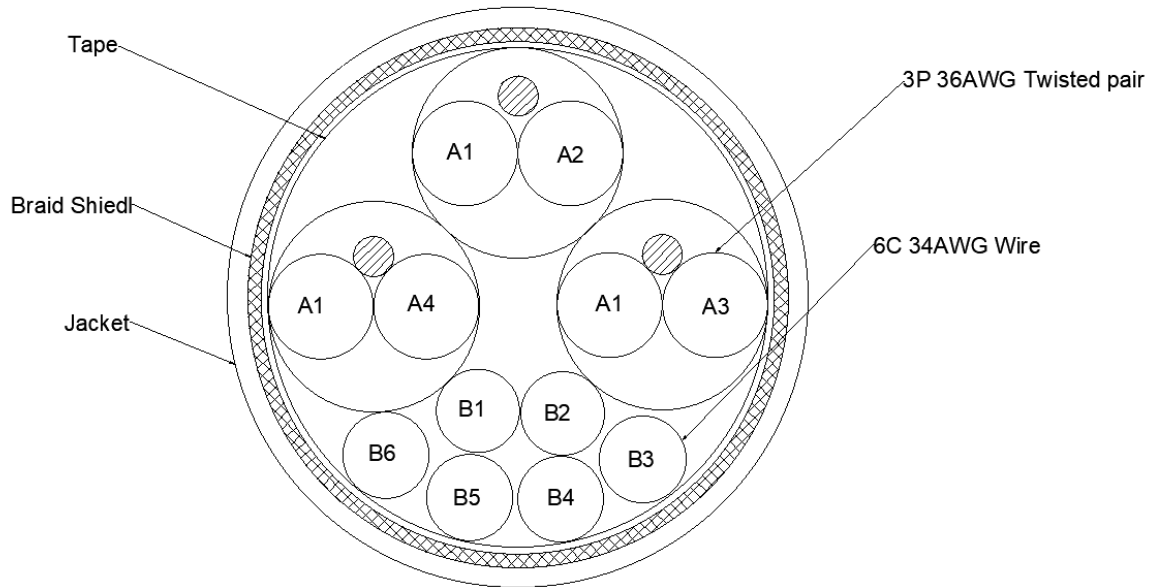


Fig.1 Cross section of cable

Table.1 color of each wire

Unit	Color	Unit	Color
A1	Nature	B2	Black
A2	Red	B3	Red
A3	Blue	B4	Blue
A4	Yellow	B5	Green
B1	White	B6	Yellow

**REVISION RECORD**

Rev. No	Issue date	Item	DWN	CHK	APVD
1	4/12/2022	First released	Carter.W	Lester.X	Lester.X