

# SPECIFICATION




P/N: MED 6PX34AWG(VV)

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 2023.1.14</p>	 <p>徐磊 2023.1.14</p>	 <p>王思哲 2023.1.14</p>

## 1. Scope

This specification covers multil wire cable for medical equipment.

## 2. Construction and Material

Item		Unit	Specified Value
Conductor	Size	AWG	34
	Material	-	Tinned copper
	Stranding	No./mm	7/0.064
Insulation	Material	-	FEP
	Color	-	Blue, Yellow
	Thickness(Nom)	mm	0.052
	Concentricity	%	Min.85
	Diameter	mm	0.30±0.01
Twisted		-	See Fig.1
Shield	Material	-	Tinned copper
	Strand (Nom.)	mm	0.05
	Coverage	%	Nom.90
Jacket(1)	Material	-	Medical TPV (Color: Cool Gray)
	Thickness(Nom)	mm	0.4
	Diameter	mm	1.50±0.15
Cabling		-	See Fig.1
Binder Tape	Material	-	PTFE
Jacket(2)	Material	-	Medical TPV (Color: Cool Gray)
	Thickness(Nom)	mm	0.6
	Diameter	mm	6.0±0.3

## 3. Electrical Properties

Item	Unit	Specified Value
Conductor Resistance (@ 20°C)	Ω/km	Max. 900
Insulation resistance (@ 20°C)	MΩ -km	Min. 500
Dielectric Strength <sup>1)</sup>	-	To withstand A.C. 500V for 1min

1): Applied between each conductor.

#### **4. Package**

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

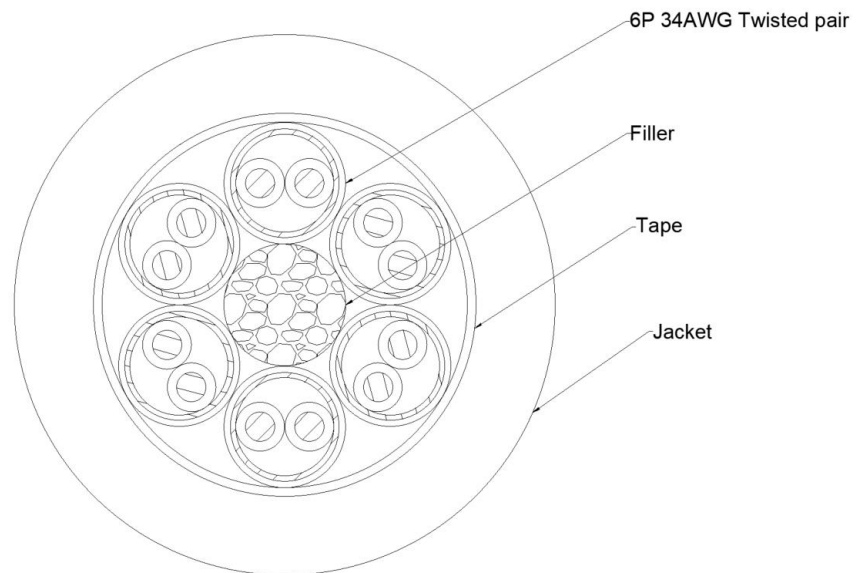


Fig.1 Cross section of cable

**REVISION RECORD**

Rev. No	Issue date	Item	DWN	CHK	APVD
1	12/1/2022	First Released	Carter.W	Lester.X	Lester.X
2	1/14/2023	Change the number of twisted pair from 3P to 6P , overall diameter from 4.2mm to 6.0mm	Carter.W	Lester.X	Lester.X