

# SPECIFICATION

P/N: 9CX22AWG TPU

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>2022.8.31</div>	<div>徐 磊</div> <div>2022.8.31</div>	<div>王思哲</div> <div>2022.8.31</div>

## 1. Scope

This specification covers mutil wire cable for medical equipment.  
(Refer UL2464 standard requirments)

## 2. Construction and Material

Item		Unit	Specified Value
			9C
Conductor	Size	AWG	22
	Material	-	Tinned copper wire
	Stranding	No./mm	65/0.08
Insulation	Material	-	FEP
	Color	-	White,Black,Red,Blue,Green,Yellow,Violet,Brown, Orange
	Thickness(Nom)	mm	0.13
	Concentricity	%	Min.85
	Diameter	mm	1.00±0.04
Twisted	Drain wire	-	See Fig.1
Tape	Material	-	AL/PET
	Overlap	%	Min.25
Braid Shield	Material	-	Tinned copper wire
	Strand (Nom.)	mm	0.08
	Coverage	%	Nom.90
Jacket	Material	-	TPU (Color: Ivory)
	Thickness(Nom)	mm	1.0
	Diameter	mm	6.7(Max.7.1)

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

## 3. Electrical Properties

Item	Unit	Specified Value
Rating Temperature	°C	80
Rating Voltage	V	300
Conductor Resistance (@ 20°C)	Ω/km	Max. 60.8
Insulation resistance (@ 20°C)	MΩ -km	Min. 1000
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.

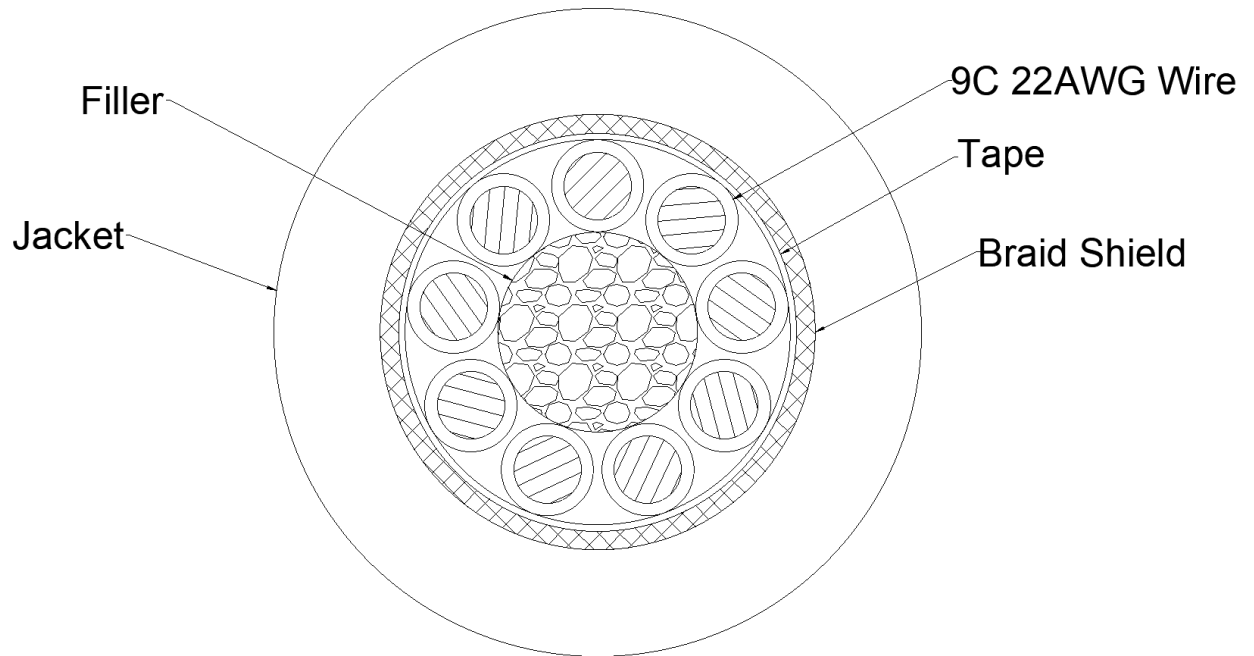


Fig.1 Cross section of cable

