

# SPECIFICATION




P/N: CON 2PX26AWG STP+3PX26AWG 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
 <p>徐磊 2023.12.29</p>	 <p>徐磊 2023.12.29</p>	 <p>王思哲 2023.12.29</p>

## 1. Scope

This specification covers mutil wire cable for medical equipment.

## 2. Construction and Material

Item		Unit	Specified Value	
			2P	3P
Conductor	Size	AWG	26	26
	Material	-	Tinned copper wire	Tinned copper wire
	Stranding	No./mm	19/0.10	19/0.10
Insulation	Material	-	Fluoropolymer	Fluoropolymer
	Color	-	Blue,Yellow,Black	Red,White,Green,Brown
	Thickness(Nom)	mm	0.10	0.10
	Concentricity	%	Min.85	Min.85
	Diameter	mm	0.70±0.02	0.70±0.02
Twisted		-	Blue/Yellow, Yellow/Black	Red/White,Red/Green Red/Brown
Drain wire	Material	-	30AWG(7/0.10) Tinned coppe	
Tape	Material	-	AL/PET	
	Coverage	%	Min.25	
Assembly		-	See Fig.1	
Binder	Material	-	PTFE	
Tape	Overlap	%	Min.30%	
Braid Shield	Material	-	Tinned copper wire	
	Strand (Nom.)	mm	0.08	
	Coverage	%	Nom.90	
Jacket	Material	-	PVC (Color: Black )	
	Thickness(Nom)	mm	0.7	
	Diameter	mm	5.5±0.3	

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

**3. Electrical Properties**

Item	Unit	Specified Value	
		26AWG	30AWG
Rating Temperature	°C	80	
Rating Voltage	V	30	
Conductor Resistance (@ 20°C)	Ω/km	Max. 150	Max. 356
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.

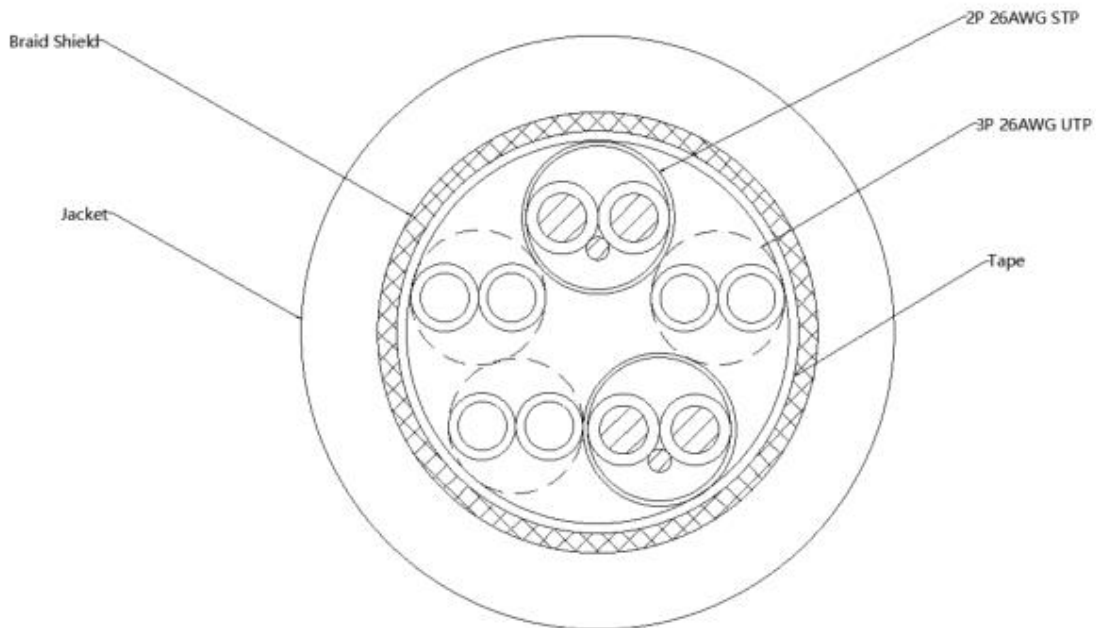


Fig.1 Cross section of cable

**REVISION RECORD**

Rev. No	Issue date	Item	DWN	CHK	APVD
1	12/29/2023	TBD	Carter.W	Lester.X	Lester.X