




# SPECIFICATION

P/N: CON 3PX28AWG TPV

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
 <p>徐磊 2022.12.1</p>	 <p>徐磊 2022.12.1</p>	 <p>王思哲 2022.12.1</p>

## 1. Scope

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

## 2. Construction and Material

Item		Unit	Specified Value
Core Number		-	3P
Conductor	AWG Size	-	28
	Material	-	Tinned copper
	Stranding	No./mm	19/0.08
Insulation	Material	-	HDPE
	Color	-	Black/White, Red/Green, Yellow/Blue
	Thickness	mm	0.20
	Diameter	mm	0.80
Twisted		-	See Fig.1
Cabling	Tape	-	AL/PET tape (See Fig.1)
Braid Shield	Material	-	Tinned copper
	Strand	mm	0.08
	Coverage	%	Nom.90
Jacket	Material	-	TPV(Color: Cool Gray)
	Thickness	mm	0.5
	Diameter	mm	4.4±0.2

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

## 3. Electrical Properties

Item	Unit	Specified Value
Conductor Resistance (@ 20°C)	Ω/km	Max. 210
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 customer requirement.
- 2). Package: Coiled into spool and then packed into carton box

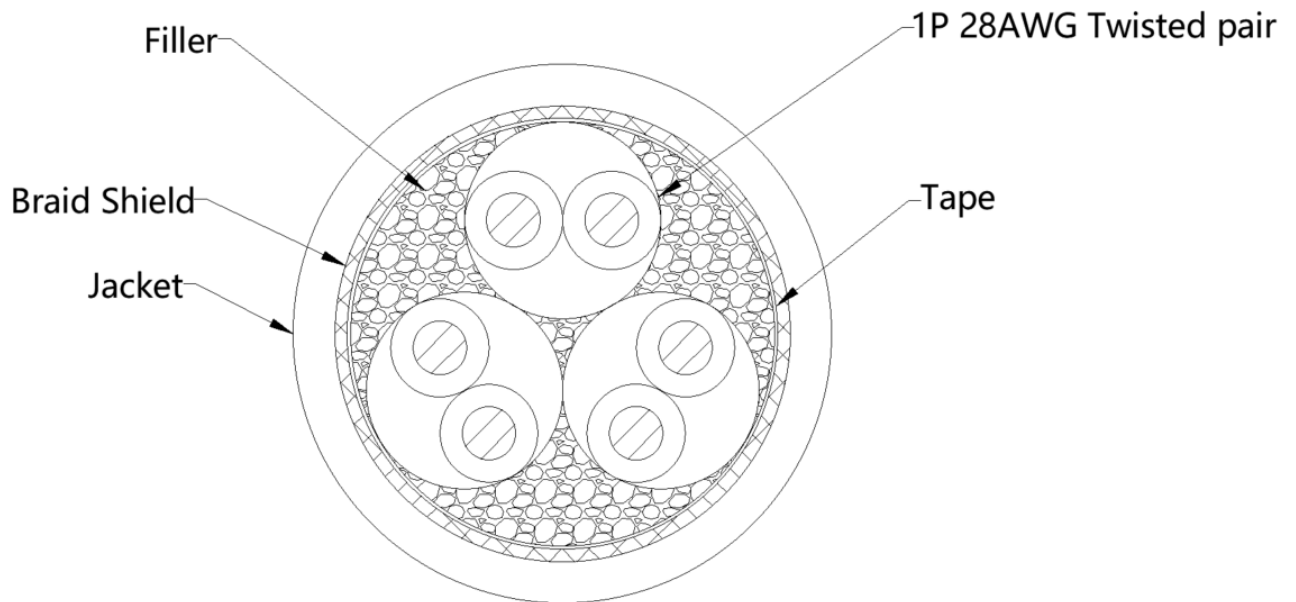


Fig.1 Cross section of cable.

**REVISION RECORD**

Rev. No	Issue date	Item	Drawing	Check	Approved
1	12/1/2022	Draft	Carter.W	Lester.X	Lester.X

