

SPECIFICATION




P/N: MED 5PX32AWG+4X32AWG 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 2023.6.10</p>	 <p>徐磊 2023.6.10</p>	 <p>王思哲 2023.6.10</p>

1. Scope

This specification covers multil wire cable for medical equipment.

2. Construction and Material

Item		Unit	Specified Value	
			5P	4C
Conductor	Size	AWG	32	32AWG
	Material	-	Tinned copper wire	Tinned copper wire
	Stranding	No./mm	7/0.08	7/0.08
Insulation	Material	-	FEP	FEP
	Color	-	Blue/White,Blue/Red, Blue/Green,Blue/Yellow, Blue/Black	Yellow,Blue
	Thickness(Nom)	mm	0.24	0.07
	Concentricity	%	Min.85	Min.85
	Diameter	mm	0.68	0.38
Twisted	Drain wire	-	32AWG(7/0.08) Tinned copper	-
Tape	Material	-	AL/PET	
	Coverage	%	Min.25	
Assembly		-	See Fig.1	
Binder	Material	-	AL/PET	
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	0.50	
	Diameter	mm	4.8±0.3	

* Add the filler to make cable round if necessary.

3. Electrical Properties

Item	Unit	Specified Value	
		32AWG	32AWG
Rating Temperature	°C	80	
Rating Voltage	V	30	
Conductor Resistance (@ 20°C)	Ω/km	Max. 597	Max. 597
Insulation resistance (@ 20°C)	MΩ -km	Min. 1000	
Dielectric Strength ¹⁾	-	To withstand A.C. 500V for 1min	
Impedance @ TDR	Ω	100±10	-

1): Applied between each conductor.

4. Package

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

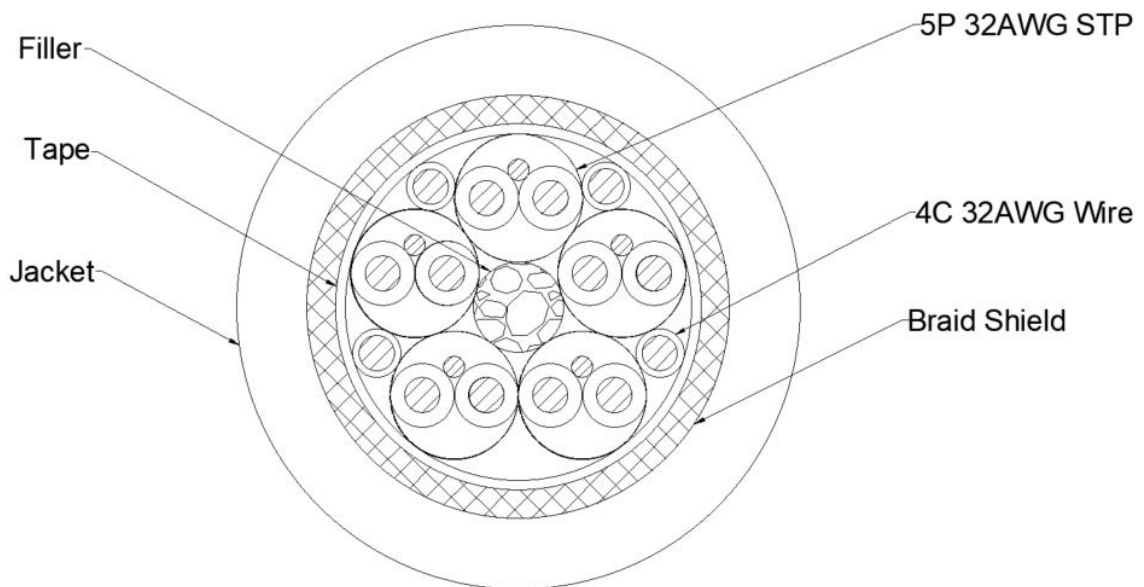


Fig.1 Cross section of cable

REVISION RECORD

Rev. No	Issue date	Item	DWN	CHK	APVD
1	6/10/2023	TBD	Carter.W	Lester.X	Lester.X