

SPECIFICATION




P/N: MED 7X42AWG+5X38AWG

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
 徐磊 2022.3.29	 徐磊 2022.3.29	 王思哲 2022.3.29

1. Scope

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

2. Construction and Material

Item		Unit	Specified Value	
Core Number		-	A:7	B:5
Conductor	Size	AWG	42	38
	Material	-	Silver plated copper alloy	Tinned copper alloy
	Stranding	No./mm	7/0.025	7/0.04
Insulation	Material	-	Fluoropolymer	Fluoropolymer
	Color	-	Blue	See Table.1
	Thickness	mm	0.06	0.09
	Diameter	mm	0.20	0.30
Spiral Shield	Type	-	Wrap	/
	Material	-	Tinned copper	
	Coverage	%	Min.95	
Jacket	Material	-	Polyester tape	
	Color	-	See Table.1	
	Diameter	mm	0.30	
Cabling		-	See Fig.1	
Tape	Material	-	Copper polyester tape	
Shield	Material	-	Tinned copper	
	Coverage	%	Nom.90	
	Strand	mm	0.06	
Sheath	Material	-	Fluoropolymer (Color: Black)	
	Thickness	mm	0.06	
	Diameter	mm	1.50±0.08	

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

3. Electrical Properties

Item	Unit	Specified Value	
		A:42WG	B:38AWG
Conductor Resistance (@ 20°C)	Ω /km	Max. 7500	Max.3300
Insulation resistance (@ 20°C)	MΩ -km	Min. 1,000	
Dielectric Strength ¹⁾	-	To withstand A.C. 500V for 1min	
Capacitance (@ 1kHz)	pF/m	100±10	-
Impedance (@ TDR)	Ω	50±5	-

Note 1): Applied between conductor and spiral shield with 42AWG coax

4. Package

- 1). Unit length : According cumtomer requirement.
- 2). Package: Coiled into carton box

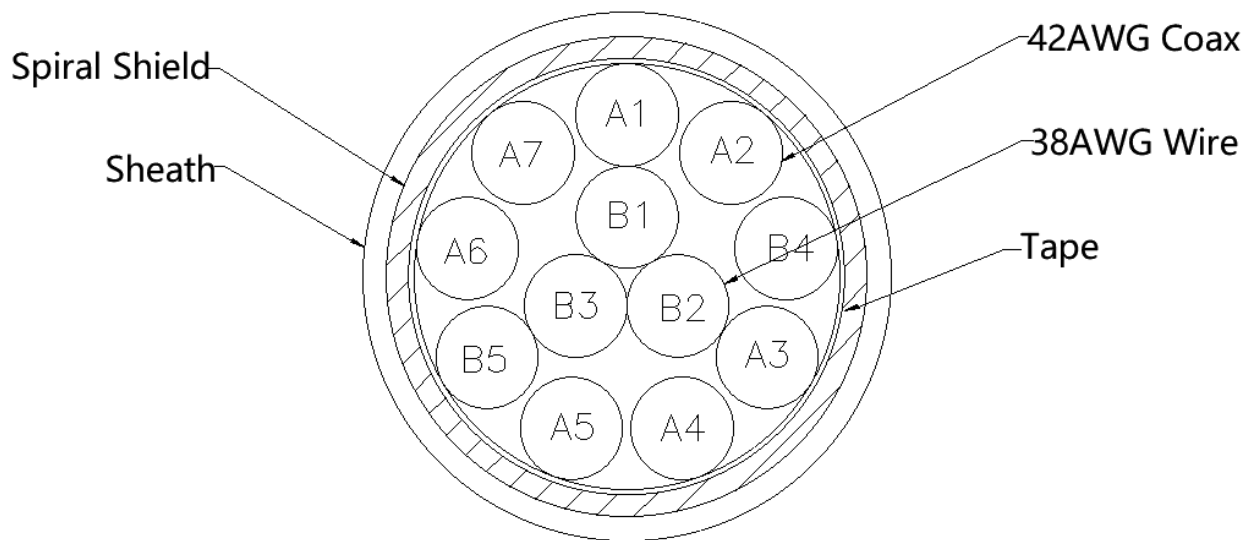


Table.2 Color of each wire

Unit	Color	Unit	Color
A1	White	B1	Blue
A2	Black	B2	Red
A3	Orange	B3	Yellow
A4	Green	B4	Brown
A5	Gray	B5	Green Black
A6	Pink		
A7	Violet		

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REVISION RECORD

Rev. No	Issue date	Item	DWN	CHK	APVD
1	3/29/2022	First Released	Carter.W	Lester.X	Lester.X

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