




SPECIFICATION

P/N: MED 2PX40AWG+7X44AWG+3X42AWG+2x40AWG(D)

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 2022.4.21</p>	 <p>徐磊 2022.4.21</p>	 <p>王思哲 2022.4.21</p>

1. Scope

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

2. Construction and Material

Item		Unit	Specified Value		
Core Number		-	A:3	B:2P	C:7
Conductor	Size	AWG	42	40	44
	Material	-	Tinned copper alloy	Silver plated copper alloy	Tinned copper alloy
	Stranding	No./mm	1/0.063	1/0.08	1/0.05
Insulation	Material	-	Fluoropolymer	Fluoropolymer	Fluoropolymer
	Color	-	Blue	See Table.1	See Table.1
	Thickness	mm	0.06	0.03	0.035
	Diameter	mm	0.18	0.14	0.12
Spiral Shield	Type	-	Wrap	\	/
	Material	-	Tinned copper		
	Coverage	&	Min.95		
Twisted		-	-	See Fig.1	-
Drain Wire		-	2X40AWG (1/0.08) Tinnd copper alloy		
Cabling		-	See Fig.1		
Braid Shield	Material	-	Tinned copper		
	Coverage	%	Nom.90		
	Strand	mm	0.05		
Sheath	Material	-	Fluoropolymer (Color: Black)		
	Thickness	mm	0.04		
	Diameter	mm	1.0±0.1		

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

3. Electrical Properties

Item	Unit	Specified Value		
		A:42WG	B:40AWG UTP	C:44AWG
Conductor Resistance (@ 20°C)	Ω /km	Max. 7300	Max.5000	Max.12600
Insulation resistance (@ 20°C)	MΩ -km	Min. 500		
Dielectric Strength ¹⁾	-	To withstand A.C. 500V for 1min		
Capacitance (@ 1kHz)	pF/m	100±10	-	-
Impedance (@ TDR)	Ω	50±5	100±10	-

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

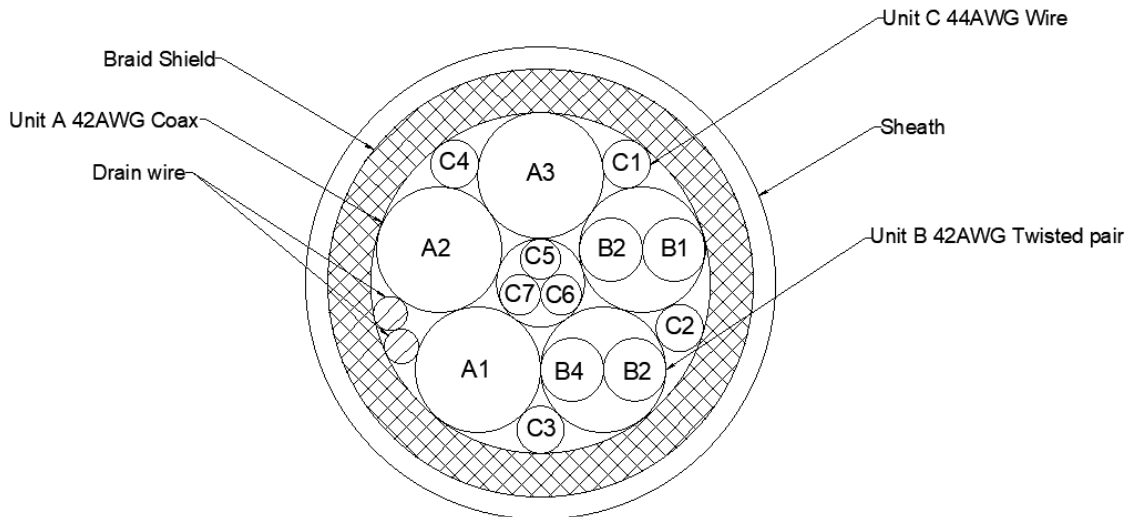


Fig.1 Cross section of cable

Table.2 Color of each wire

Unit	Color	Unit	Color	Unit	Color
A1	Yellow	B1	Red	C1	Green
A2	Black	B2	Green	C2	Blue
A3	White	B3	Blue	C3	Yellow
		B4	Brown	C4	White
				C5	Red
				C6	Black
				C7	Brown

(From:DE-2001-01 Rev.1)

REVISION RECORD

Rev. No	Issue date	Item	DWN	CHK	APVD
1	04/20/2022	First Released	Carter.W	Lester.X	Lester.X