




SPECIFICATION

P/N: MED 196X42AWG (52PF) OD8.3

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 2021.12.23</p>	 <p>徐磊 2021.12.23</p>	 <p>王思哲 2021.12.23</p>

1. Scope

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

2. Construction and Material

Item		Unit	Specified Value
Core Number		-	196
Conductor	AWG Size	-	42
	Material	-	Silver plated copper wire
	Stranding	No./mm	7/0.025
Insulation	Material	-	ePTFE/PET
	Color	-	Yellow
Spiral Shield	Type	-	Wrap
	Material	-	Tinned copper wire
	Coverage	%	Min.95
Jacket	Material	-	Polyester tape
	Type	-	Wrap
	Color	-	White,Black,Red,Blue,Green,Yellow,Orange
	Diameter	mm	0.37±0.02
Binder Tape	Material	-	PTFE
Braid Shield	Material	-	Sliver plated copper wire
	Strand (Nom.)	mm	0.08
	Coverage	%	Nom.90 (Min.85)
Sheath	Material	-	Medical PVC (Color: Ivory)
	Thickness	mm	0.75
	Diameter	mm	8.3±0.3

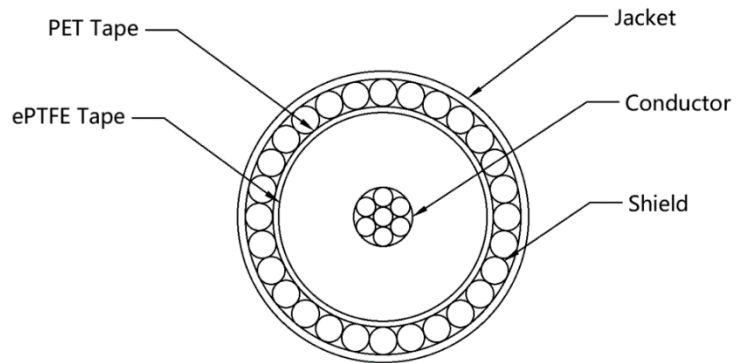
3. Electrical Properties

Item	Unit	Specified Value
Conductor Resistance (@ 20°C)	Ω/km	Max. 7,300
Insulation resistance (@ 20°C)	MΩ-km	Min. 5,00
Dielectric Strength ¹⁾	-	To withstand A.C. 500V for 1min
Capacitance (@ 1kHz)	pF/m	Nom. 52
Impedance (@ 10MHz)	Ω	Nom. 85

Note 1): Applied between conductor and spiral shield.

4. Package

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



Cross section of 42AWG Coax

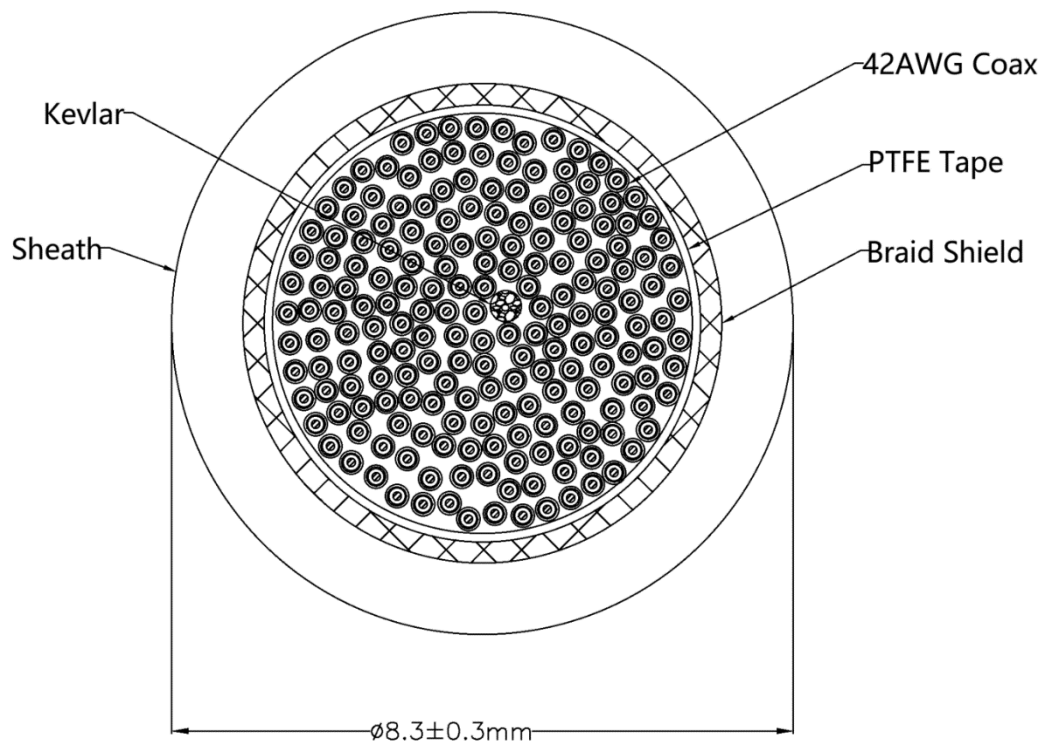


Fig.1 Cross section of cable

REVISION RECORD

Rev. No	Issue date	Item	DWN	CHK	APVD
1	12/22/2021	First released	Carter.W	Lester.X	Lester.X