




SPECIFICATION

P/N: MED-BA 68X40AWG (110PF) OD6.2

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 2023.2.3</p>	 <p>徐磊 2023.2.3</p>	 <p>王思哲 2023.2.3</p>

1. Scope

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

2. Construction and Material

Item		Unit	Specified Value
Core Number		-	68
Conductor	Size	AWG	40
	Material	-	Tinned copper alloy
	Stranding	No./mm	7/0.03
Insulation	Material	-	PFA(Color: Black)
	Thickness	mm	0.07
	Diameter	mm	0.23
Spiral Shield	Type	-	Wrap
	Material	-	Tinned copper
	Coverage	%	Min.95
Jacket	Type	-	Wrap
	Material	-	Polyester tape(Color: Orange)
	Diameter	mm	0.34±0.02
Cabling		-	See Fig.1
Tape	Material	-	PTFE
Braid Shield	Material	-	Tinned copper wire
	Strand	mm	0.08
	Coverage	%	Nom.85
Sheath	Material	-	Medical PVC(Color: Ivory)
	Thickness	mm	0.8
	Diameter	mm	6.20±0.25

3. Electrical Properties

Item	Unit	Specified Value
Rating temperature	°C	60
Rating voltage	V	30
Conductor Resistance (@ 20°C)	Ω /km	Max. 5.000
Insulation resistance (@ 20°C)	MΩ -km	Min. 1,000
Dielectric Strength ¹⁾	-	To withstand A.C. 500V for 1min
Capacitance (@ 1kHz)	pF/m	Nom. 110
Impedance (@ TDR)	Ω	Nom. 50

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

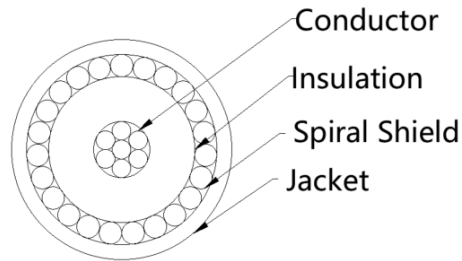


Fig.1 Cross section of coax

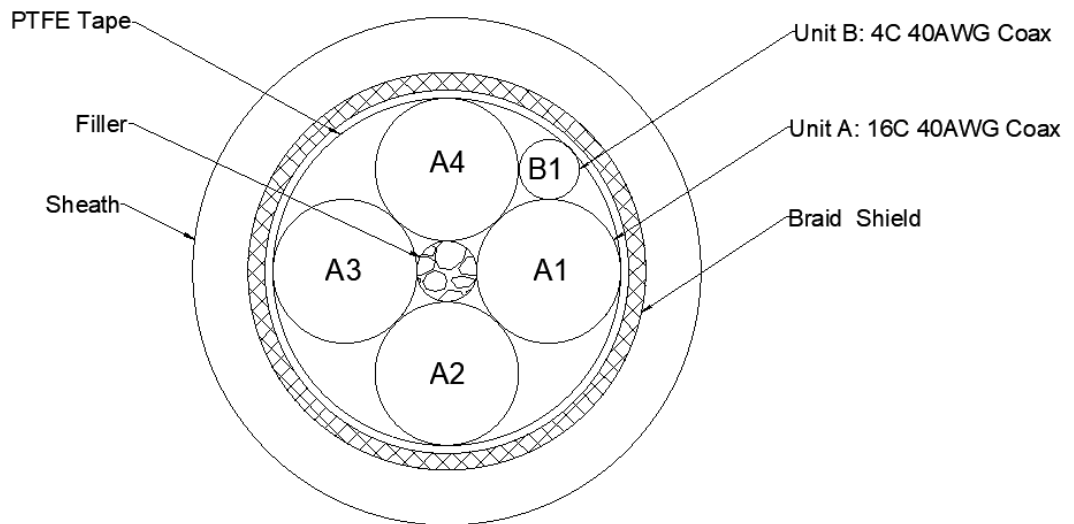


Fig.2 Cross section of cable

REVISION RECORD

Rev. No	Issue date	Item	DWN	CHK	APVD
1	2/3/2023	First Released	Carter.Wang	Lester.Xu	Lester.Xu