

SPECIFICATION

P/N: MED BG 260X44AWG (54PF) OD8.6

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
<div><div></div><div>徐 磊</div><div>2023.9.26</div></div>	<div><div></div><div>徐 磊</div><div>2023.9.26</div></div>	<div><div></div><div>王思哲</div><div>2023.9.26</div></div>

1. Scope

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

2. Construction and Material

Item		Unit	Specified Value
Core Number		-	260
Conductor	Size	AWG	44
	Material	-	Silver plated copper wire
	Stranding	No./mm	7/0.02
Insulation	Material	-	ePTFE/PET
	Color	-	Pink
Spiral Shield	Type	-	Wrap
	Material	-	Tinned copper wire
	Coverage	%	Min.95
Jacket	Material	-	Polyester tape
	Type	-	Wrap
	Color	-	See Table.1
	Diameter	mm	0.32
Cabling		-	See Fig.2
Binder Tape	Material	-	PTFE
Braid Shield	Material	-	Silver plated copper wire
	Strand (Nom.)	mm	0.08
	Coverage	%	Nom.90
Sheath	Material	-	Medical PVC (Color: Ivory)
	Thickness	mm	0.75
	Diameter	mm	8.6±0.3

3. Electrical Properties

Item	Unit	Specified Value
Rating temperature	°C	60
Rating voltage	V	30
Conductor Resistance (@ 20°C)	Ω/km	Max. 9,600
Insulation resistance (@ 20°C)	MΩ-km	Min. 1,000
Dielectric Strength ¹⁾	-	To withstand A.C. 500V for 1min
Capacitance (@ 1kHz)	pF/m	Nom. 54
Impedance (@ 10MHz)	Ω	Nom. 80

Note 1): Applied between conductor and spiral shield.

4. Package

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

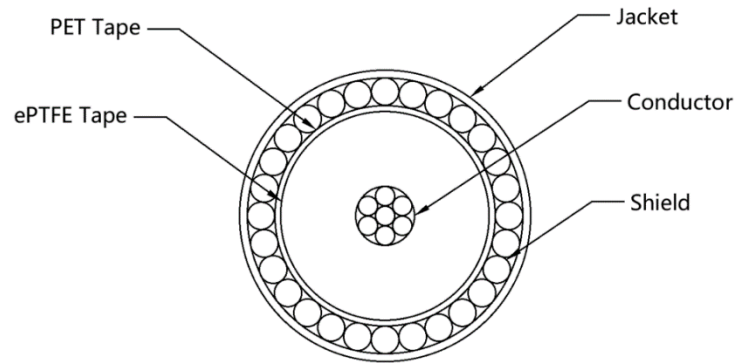


Fig.1 Cross section of Coax

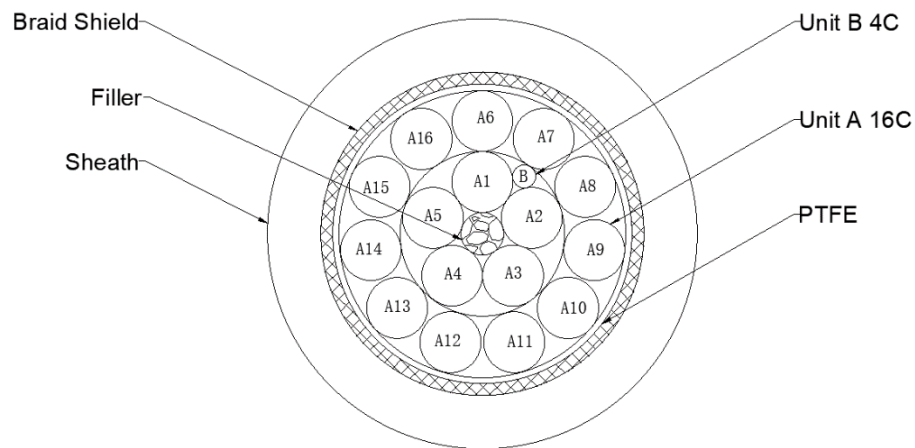


Fig.2 Cross section of cable

Table 1. Color of each unit

Unit	Color
A1,A2,A6,A7	Gray
A3,A8,A9,A10	Green
A5,A14,A15,A16	Blue
A4,A11,A12,A13	Red
B	Gray

REVISION RECORD

Rev. No	Issue date	Item	DWN	CHK	APVD
1	9/26/2023	First released	Carter.W	Lester.X	Lester.X