

# SPECIFICATION




P/N: MED 16X38AWG+12X38AWG PVC

Customer File NO. ....

Customer Signed by. ....

**SUZHOU SHS TECHNOLOGY CO.,LTD**

**苏州尚虹鑫电子科技有限公司**

APPROVED	CHECK	DRAWING
 徐 磊 2022.1.12	 徐 磊 2022.1.12	 王思哲 2022.1.12

## 1. Scope

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

## 2. Construction and Material

Item		Unit	Specified Value	
Core Number		-	A:16C	B:12C
Conductor	Size	AWG	38	38
	Material	-	Tinned copper alloy	Tinned copper alloy
	Stranding	No./mm	7/0.04	7/0.04
Insulation	Material	-	Fluoropolymer	Fluoropolymer
	Color	-	Black	Nature
	Thickness	mm	0.10	0.075
	Diameter	mm	0.32	0.27
Spiral Shield	Type	-	Wrap	Wrap
	Material	-	Tinned copper	Tinned copper
	Coverage	%	Min.95	Min.95
Jacket	Material	-	PET Tape	PET Tape
	Color	-	See Table.1	See Table.1
	Diameter	mm	0.44	0.37
Cabling 1		-	See Fig.1	
Tape	Material	-	PTFE	PTFE
Inner Jacket	Material	-	ETFE	ETFE
	Color	-	Gray	Gray
	Diameter	mm	1.60±0.10	1.66±0.10
Cabling 2*		-	See Fig.1	
Tape	Material	-	PTFE	
Braid Shield	Material	-	Tinned copper	
	Strand	mm	0.08	
	Coverage	%	Nom.90(Min.85)	
Sheath	Material	-	Medical PVC (Color: Ivory)	
	Thickness	mm	0.8	
	Diameter	mm	5.6±0.3	

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

**3. Electrical Properties**

Item	Unit	Specified Value	
		A:38WG	B:38AWG
Conductor Resistance (@ 20°C)	Ω/km	Max. 3300	Max.3300
Insulation resistance (@ 20°C)	MΩ -km	Min. 1,000	
Dielectric Strength <sup>1)</sup>	-	To withstand A.C. 500V for 1min	
Capacitance (@ 1kHz)	pF/m	Nom. 100	-
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 carton box

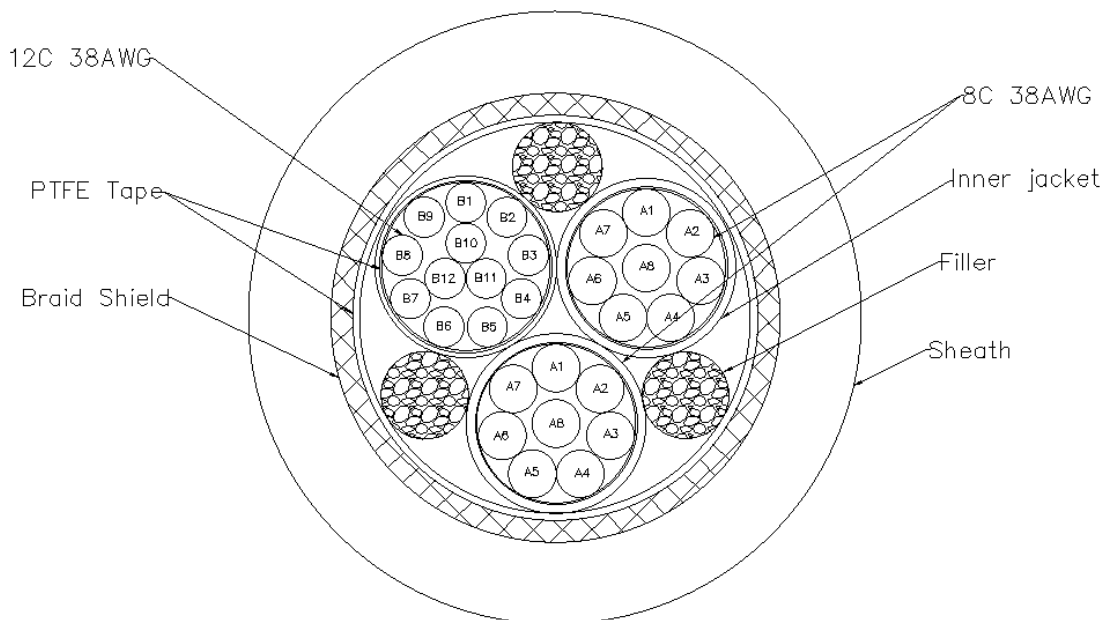


Fig.1 Cross section of cable

Table.2 Color of each wire

Unit	Color	Unit	Color	Unit	Color
A1,B1	Nature	A5,B5	Green	B9	Nature
A2,B2	Black	A6,B6	Yellow	B10	Black
A3,B3	Red	A7,B7	Pink	B11	Red
A4,B4	Blue	A8,B8	White	B12	Blue

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

**REVISION RECORD**

Rev. No	Issue date	Item	DWN	CHK	APVD
1	01/12/2022	First Released	Carter.W	Lester.X	Lester.X