

SPECIFICATION

P/N: MED 8CX30AWG PVC

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>徐 磊</div> <div>2023.4.10</div>	<div>徐 磊</div> <div>2023.4.10</div>	<div>王思哲</div> <div>2023.4.10</div>

1. Scope

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

2. Construction and Material

Item		Unit	Specified Value
Core Number		-	Unit A:8
Conductor	Size	AWG	30
	Material	-	Silver plated copper
	Stranding	No./mm	7/0.10
Insulation	Material	-	Fluoropolymer
	Color	-	Black
	Thickness	mm	0.29
	Diameter	mm	0.89
Spiral Shield	Type	-	Wrap
	Material	-	Tinned copper
	Coverage	%	Min.95
Jacket	Material	-	Fluoropolymer
	Color	-	TBD
	Diameter	mm	1.25±0.08
Cabling		-	See Fig.1
Tape	Material	-	PTFE
Braid Shield	Material	-	Tinned copper
	Coverage	%	Nom.95
Sheath	Material	-	PVC (Color: Black)
	Thickness	mm	0.7
	Diameter	mm	6.0±0.3

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

3. Electrical Properties

Item	Unit	Specified Value
		A:30WG
Conductor Resistance (@ 20°C)	Ω /km	Max. 354
Insulation resistance (@ 20°C)	MΩ -km	Min. 1,000
Dielectric Strength ¹⁾	-	To withstand A.C. 500V for 1min
Capacitance (@ 1kHz)	pF/m	110±10
Impedance (@ 10Mhz)	Ω	50±5

Note 1): Applied between conductor and spiral shield with 30AWG coax

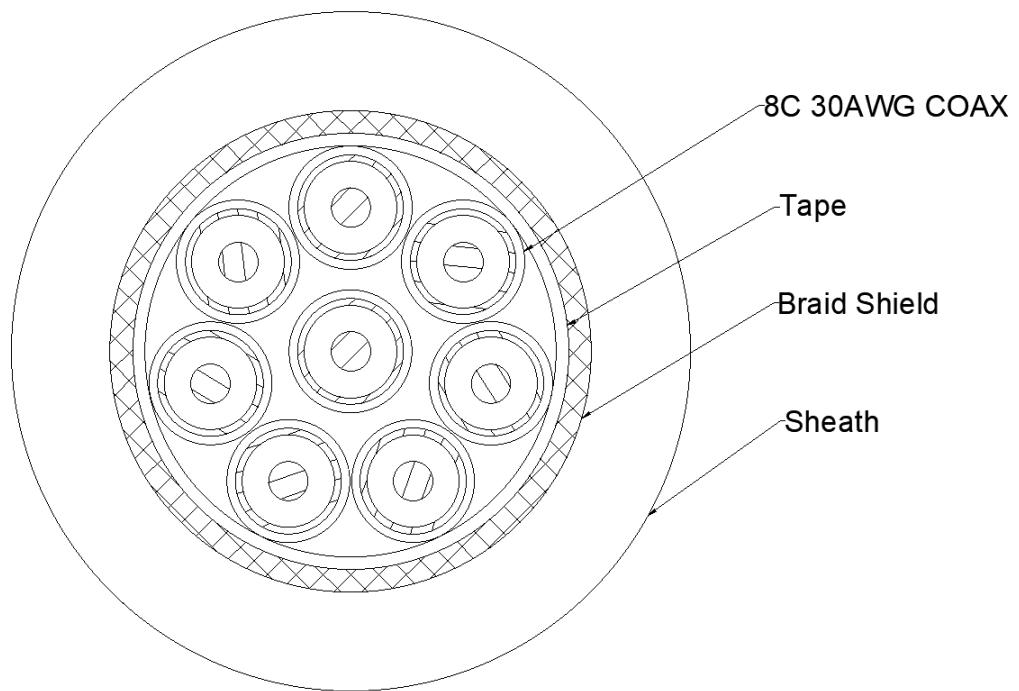


Fig. 1 Cross section of cable

REVISION RECORD

Rev. No	Issue date	Item	DWN	CHK	APVD
1	7/18/2024	First Released	Carter.Wang	Lester.Xu	Lester.Xu