



SPECIFICATION

P/N: MED 2PX34AWG+3CX28AWG+2CX32AWG
+4CX36AWG

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
徐磊	徐磊	王思哲

1. Scope

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

2. Construction and Material

Item		Unit	Specified Value			
Core Number		-	2P	2	3	4
Conductor	Size	AWG	34	32	28	36
	Material	-	Silver plated copper	Tinned copper		
	Stranding	No./mm	7/0.063	19/0.05	19/0.08	7/0.05
Insulation	Material	-	Fluoropolymer			
	Color	-	Blue,White,Green, Yellow	Black,Red	Brown,Orange, Gray	Green,Blue,Nature,White
	Thickness	mm	0.18	0.125	0.05	0.07
	Diameter	mm	0.55	0.50	0.50	0.38
Twisted		-	Blue/White, Green/Yellow	-	See Fig.1	See Fig.1
Drain Wire	Material		34AWG(7/0.063) Tinned copper			
Tape Shield	Material		AL/PET			
	Coverage	%	Min. 25			
Cabling*			See Fig.1			
Binder Tape	Material	-	PTFE Tape			
Braid Shield	Material	-	Silver plated copper			
	Strand	mm	0.08			
	Coverage	%	Nom.90			
Binder Tape	Material	-	PTFE Tape			
Jacket	Material	-	Medical Silicone(Color: Black)			
	Thickness	mm	0.9			
	Diameter	mm	5.0±0.2			

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

3. Electrical Properties

Item	Unit	Specified Value			
		34AWG	32AWG	28AWG	36AWG
Conductor resistance (@ 20°C)	Ω /km	Max. 960	Max. 580	Max.244	Max.1550
Insulation resistance (@ 20°C)	MΩ -km	Min. 1000			
Dielectric strength ¹⁾	-	To withstand A.C. 500V for 1min			
Dielectric strength ²⁾	-	To withstand A.C. 4000V for 1min			
Impedance (@ TDR 1ns)	Ω	100±10	-		
Inpair skew	ps/m	Max.50	-		

Note:1) Applied between each conductor.

2) Applied between braid shield to earth ground.

4. Package

1). Unit length : According to cumtomer requirement.

2). Package: Coiled into spool and then packed into carton box

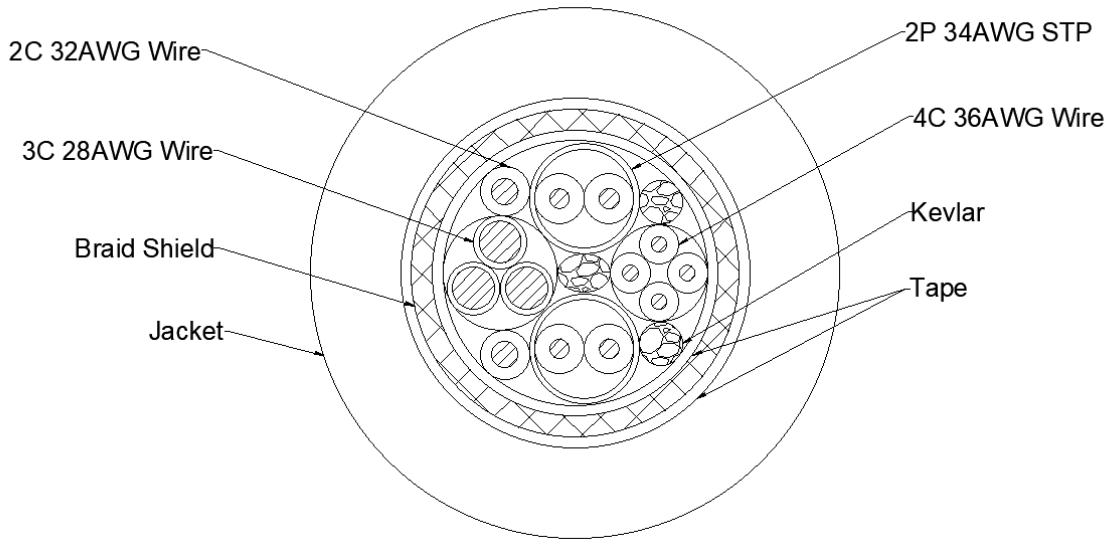


Fig.1 Cross section of cable.

REVISION RECORD

Rev. No	Issue date	Item	Drawing	Check	Approved
1	12/13/2023	TBD	Carter.W	Lester.X	Lester.X