




SPECIFICATION

P/N: CON 2X20AWG+2PX30AWG+6PX30AWG+D

Customer Reference.

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 2023.10.17</p>	 <p>徐磊 202310.17</p>	 <p>王思哲 2023.10.17</p>

1. Scope

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

2. Construction and Material

Item		Unit	Specified Value		
Core Number		-	2P	2	6P
Conductor	Size	AWG	30	20	30
	Material	-	Tinned copper		
	Stranding	No./mm	19/0.06	65/0.10	19/0.06
Insulation	Material	-	Fluoropolymer	Fluoropolymer	Fluoropolymer
	Color	-	TBD	Black	TBD
	Thickness	mm	0.24	0.13	0.12
	Diameter	mm	0.79	1.19	0.54
Twisted		-	See Fig.1	-	See Fig.1
Drain Wire	Material		30AWG(19/0.06) Tinned copper	-	-
Tape Shield	Material		AL/PET	-	AL/PET
Drain Wire		-	18AWG(104/0.10) Tinned copper		
Cabling*			See Fig.1		
Binder Tape	Material	-	PTFE Tape		
Braid Shield	Material	-	Tinned copper alloy		
	Strand	mm	0.08		
	Coverage	%	Nom.85		
Jacket	Material	-	PVC (Color: Black)		
	Thickness	mm	0.8		
	Diameter	mm	7.0±0.3		

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

3. Electrical Properties

Item	Unit	Specified Value		
		30AWG STP	20AWG	18AWG
Conductor resistance (@ 20°C)	Ω/km	Max. 354	Max. 39	Max.24.3
Insulation resistance (@ 20°C)	MΩ -km	Min. 1000		
Dielectric strength	-	To withstand A.C. 500V for 1min		
Impedance (@ TDR 1ns)	Ω	100±10	-	-

4. Package

- 1). Unit length : According to cumtomer requirement.
- 2). Package: Coiled into spool and then packed into carton box

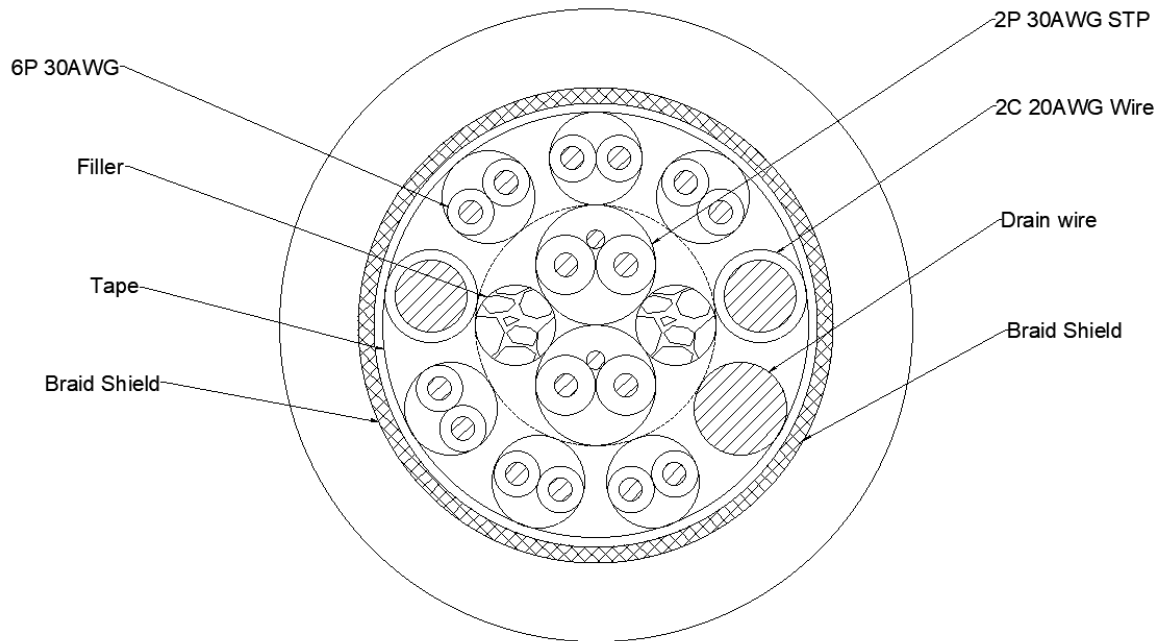


Fig.1 Cross section of cable.

REVISION RECORD

Rev. No	Issue date	Item	Drawing	Check	Approved
1	10/14/2023	TBD	Carter.W	Lester.X	Lester.X