




SPECIFICATION

P/N: MED 132X42AWG (52PF) OD7.5

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 |
|---|---|---|
|  <p>徐磊 2022.12.6</p> |  <p>徐磊 2022.12.6</p> |  <p>王思哲 2022.12.6</p> |

1. Scope

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

2. Construction and Material

| Item | | Unit | Specified Value |
|---------------|---------------|--------|----------------------------|
| Core Number | | - | 132 |
| Conductor | Size | AWG | 42 |
| | Material | - | Silver plated copper wire |
| | Stranding | No./mm | 7/0.025 |
| Insulation | Material | - | ePTFE/PET |
| | Color | - | Yellow |
| Spiral Shield | Type | - | Wrap |
| | Material | - | Tinned copper wire |
| | Coverage | % | Min.95 |
| Jacket | Material | - | Polyester tape |
| | Type | - | Wrap |
| | Color | - | Black |
| | Diameter | mm | 0.37±0.02 |
| 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 | 7.5±0.3 |

3. Electrical Properties

| Item | Unit | Specified Value |
|-----------------------------------|-------|---------------------------------|
| Conductor Resistance (@ 20°C) | Ω/km | Max. 7,300 |
| Insulation resistance (@ 20°C) | MΩ-km | Min. 5,00 |
| Dielectric Strength ¹⁾ | - | To withstand A.C. 500V for 1min |
| Capacitance (@ 1kHz) | pF/m | Nom. 52 |
| 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

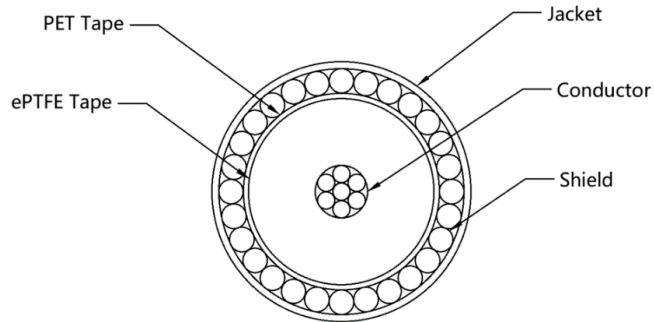


Fig.1 Cross section of 42AWG Coax

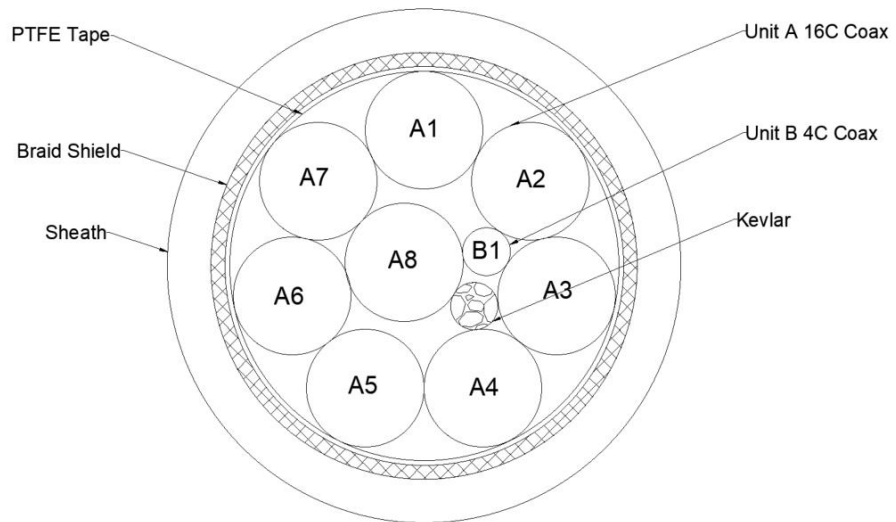


Fig.2 Cross section of cable

Table.1 Color of each coax

| Unit No. | Color |
|----------|--------|
| A1 | Black |
| A2 | White |
| A3 | Red |
| A4 | Yellow |
| A5 | Black |
| A6 | White |
| A7 | Red |
| A8 | Yellow |
| B1 | Orange |

REVISION RECORD

| Rev. No | Issue date | Item | DWN | CHK | APVD |
|---------|------------|----------------|----------|----------|----------|
| 1 | 12/6/2022 | First released | Carter.W | Lester.X | Lester.X |
| | | | | | |