

# SPECIFICATION

3C(3×44AWG Coaxial 50ohm)

Prepared: Zach Shawn

Review: Ian Strong

Approved: Zach Shawn

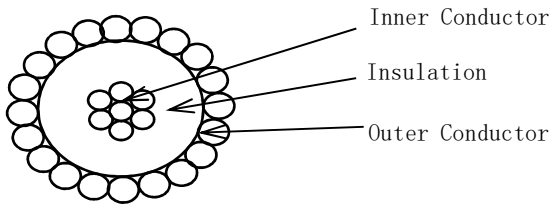
**1. (Scope)**

This cable is used for medical equipment.

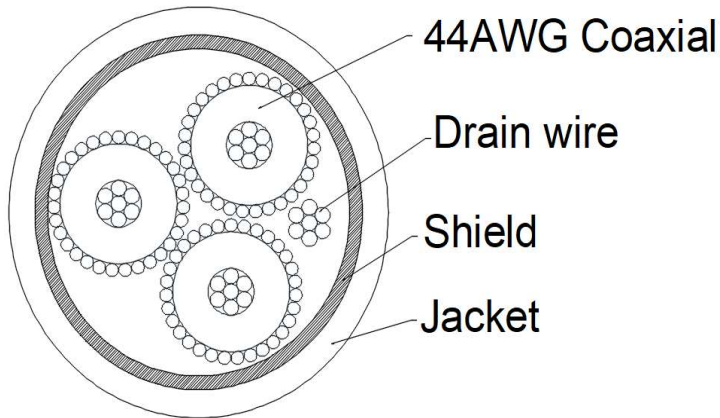
**2. (Construction)**

| Item            |           | Unit   | Specified Value            |
|-----------------|-----------|--------|----------------------------|
|                 |           |        | 44AWG                      |
|                 |           |        | Coaxial                    |
| Number of cores |           | -      | 3A)                        |
| Inner           |           |        | Silver plated copper Alloy |
| Conductor       | Stranding | No./mm | 7/0.02                     |
|                 | Dia.      | mm     | 0.06                       |
| Insulation      | Material  | -      | PFA                        |
|                 | Thick.    | mm     | 0.049                      |
|                 | Diameter  | mm     | 0.158±0.01                 |
|                 | Color     | -      | Black ,Green, White        |
| Outer Conductor | Type      | -      | Wrap                       |
|                 | Material  |        | Silver plated copper Alloy |
|                 | Thickness | mm     | 0.025                      |
|                 | Coverage  | %      | Min.90                     |
| Drain Wire      | Material  | -      | Tin Plated copper Alloy    |
|                 | Gauge     | AWG    | 40AWG                      |
|                 | Stranding | No./mm | 7/0.03                     |
| Ass.            | Dia.      | mm     | 0.46                       |
|                 | Type      | -      | Wrap                       |
| Shield          | Material  | -      | Tin plated copper Alloy    |
|                 | Strand    | mm     | 0.03                       |
|                 | Coverage  | %      | 90                         |
| Sheath          | Material  | -      | PET                        |
|                 | Thick.    | mm     | 0.03                       |
|                 | Diameter  | mm     | 0.545±0.05                 |
|                 | Color     | -      | Yellow                     |

**3. (Cross-section)**



44AWG Coaxial (A)



| NO. | AWG | Color |
|-----|-----|-------|
| A1  | 44  | Black |
| A2  | 44  | Green |
| A3  | 44  | White |

**4. (Electrical Properties)**

| Item                                     | Specified Value |                           |
|--|-----------------|---------------------------|
|  | Unit            | 44AWG Coaxial(A)          |
| Rating temper                            | °C              | 80                        |
| Rating voltage                           | V               | 30                        |
| Resistance                               | Ω/km            | Max. 125,000              |
| Dielectric strength<br>(20°C) insulation |                 | withstand AC 250V /minute |
| Resistance                               | MΩ-km           | Min. 1,000                |
| Characteristic impedance                 | Ω               | Nom. 50±5                 |
| Operating Temperature                    | °C              | "-10-80"                  |
| Capacitance                              | pF/m            | 110±10                    |

**5. (Packing)**

- (1) Unit length : 250m(Min.10m)
- (2) Package : Bobbin Reel