

Shenzhen Woer Heat-shrinkable Material Co., Ltd.



Electronic



The Understruction New Industrial Park

Company Brief

Shenzhen Woer heat-shrinkable material Co., Ltd is a hi-tech enterprise specialized in radiation-modified material; it also is the "Honest and Faithful Enterprise" that has always been receiving support from Shenzhen government. At present, it has ranked first in China, second in the world in its trade.

Woer is located in woer industrial park, Shenzhen, with more than 30 branch offices nationwide, sharing the market more than 50 countries and areas. It mainly engages in the production and sale of the electronic and electrical new product with radiated application technology and development of new equipment. Products include: heat shrinkable tube, heat shrinkable bus bar tube, heat/cold shrinkable power cable accessories, cable branch box, ring-net switch cupboard, high and low voltage switchgear, silicone rubber insulated wire, PTFE tube, nonskid cross-lined heat shrink tube, etc., altogether 9 series, 2500 types.

Woer has its own intelligence property right of all products and many international and domestic patents. It is ISO9001 certified, and has applied the universal-acknowledged bar-coding on products. Products has approved by UL, CSA, SGS, electrical equipment quality test of national electrical bureau and 3C. It introduced 4 most advanced electronic accelerators which worth more than US dollar one million each, which provide reliable protection for development, manufacture and sale. Woer is the first heat shrink manufacturer receives UL environment protection certificate (RSCS) in China.

Woer takes credit for its premium quality, superior service, standardization production and distribution. Being applied ERP for many years, Woer has fully realized the management of informationization, standardization, internal market-orientation and humanization. It created its philosophy of "everyone has chance to succeed as long as he/she works hard", "all for company, company for all". We cherish the preeminent spirit of "Be honest and faithful, second to none", build up an aggressive and innovative management team.

Woer was entitled the "Most Influential Shenzhen Famous Brand" and rewarded "Break China' Record" award. It accomplished the national No. 863 high temperature superconductive project with the Institute of Electrical Engineering Chinese Academy of Sciences (IEECAS). The annual output and sale of heat shrink tubing ranked first in 2003, 2004 and 2005, which is identified as a Chinese enterprise new record by China industry and trading association. In 2005, Woer was rewarded "Guangdong Province Famous Brand", "The First Shenzhen AAA Im-Ex



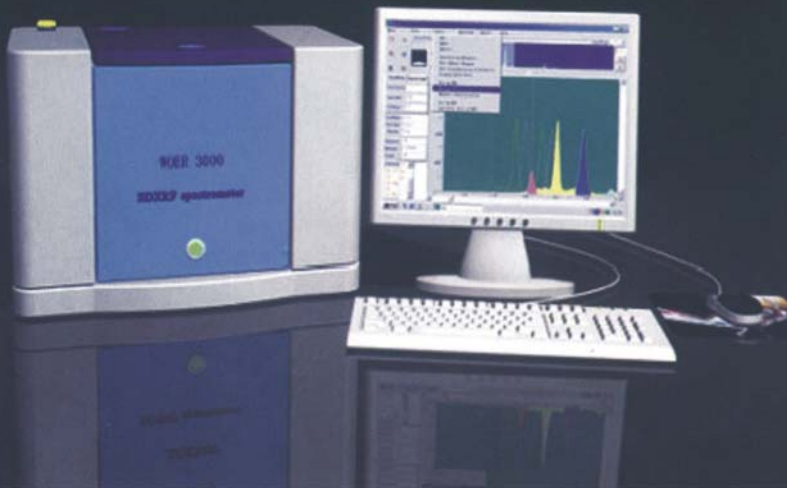
Modern manufacturing facility

Woer has introduced 4 set of the most advanced electronic accelerators from Russia, 1 of them is a pulse-type accelerator that possesses 4.5 MeV radiated power and 50KW beam power; the rest 3 are insulation-core-type high voltage direct current accelerators with 1.5 MeV radiated power.

It has many sets of hydrostatic press, mixing machine, extruder, pressure forming machine, granulator, injection moulding machine, hauling engine, spool hanger, cutting machine, all control systems are automatic with digital conversion.



WOER 3000 Energy-dispersion X-ray Fluorescence Spectrometer



The WOER3000 Energy-dispersion X-ray Fluorescence Spectrometer, developed by Woer, is conformed to the RoHS test requirement of tenor and bromide. It has merits of high sensitivity, stable performance and user-friendliness. RoHS minimum detect limited: Cd/Pb/Cr/Hg/Br maximum 2ppm.

WOER3000 can detect the total content of Br, thus it is very suitable for our Halogen-free heat shrink tubing environmental friendly test.

X-ray Fluorescence Spectrometer date

Model: WOER3000

Sample Room Size: 400*500*300mm

Analytical Range: 2ppm~99.99%

Testing Element: K-U (more than 60 types)

Operating Temperature: 15~30°C

Weight: 30 kg

Electrical Supply: AC 110V/220V

Testing Accuracy: 0.05%

Testing Time: 60~300 seconds

Advanced Experimental Installation

Woer has advance experimental installations: X-ray Fluorescence Spectrometer, atomic absorption spectrometer, electric heating two-rod rubber mixing machine, electron tensile testing machine, CQSB high voltage experimental transformer, thermosetting plastic hydrostatic press moulding machine, digital electric-heating up-draught drying machine, aging oven, vertical combustion testing machine; they could applied to tenor analysis, batch formula, aging test, tensile test, dielectric strength test and sample press test, which provide reliable assurance to product quality.





| Part No | Product Description | UL/CUL | CSA | Page |
|------------------|--|---------|--------|------|
| W-1-H | Halogen Free Flame-retardant Normal Wall Heat Shrinkable Tube | E203950 | 220127 | 1 |
| W-1-HCB | Halogen Free Flame-retardant Thin Wall Heat Shrinkable Tube | E203950 | 220127 | 3 |
| W-1-PT | Environment Friendly Flame-retardant Normal Wall Heat Shrinkable Tube | E203950 | 220127 | 4 |
| W-1-PTCB | Environment Friendly Flame-retardant Thin Wall Heat Shrinkable Tube | E203950 | 220127 | 6 |
| RSFR-105 | Non Flame-retardant Heat Shrinkable Tube | | | 7 |
| RSFR-135G(2X,3X) | 135°C Environment Friendly Flame-retardant Heat Shrinkable Tube | | | 8 |
| PE | Non-Shrinkable Halogen Free Flame-Retardant Tube(PE Tube) | | | 9 |
| W-1-HL(2X,3X) | Environment Friendly (2:1,3:1) Yellow/Green Heat Shrinkable Tube | E203950 | 220127 | 10 |
| W-1-SB(2X) | Environment Friendly Dual Wall Heat Shrinkable Tube(2:1) | E203950 | | 11 |
| W-1-SB(3X,4X) | Environment Friendly Dual Wall Heat Shrinkable Tube(3:1, 4:1) | | | 12 |
| SBRS-(4X)GR | 4:1 Adhesive-lined Semi-rigid Heat Shrinkable Tube | | | 13 |
| SBRS,RSFRM | Medium Wall Heat Shrinkable Tube | | | 14 |
| SBRSW,RSFRW | Heavy Wall Heat Shrinkable Tube | | | 15 |
| SBRSTV | Medium Wall Adhesive-lined Heat-variable Heat Shrinkable Tube | | | 16 |
| GPFS | Adhesive-lined Heat Shrinkable Tube For Automotive Oil Pipe Protection | | | 17 |
| WRSJD | Cross-Linked Heat Shrinkable Insulation Tape | | | 18 |
| SWT | Conductor Splicer | | | 18 |
| WDWT | Composite Dual Wall Heat Shrinkable Tube | | | 19 |
| WST-260 | Silicone Rubber Tube | MH26933 | | 20 |
| SRG-W | Silicone Rubber Braided Tube | | | 21 |
| WF | PTFE TUBE | E203950 | | 22 |
| UL3122,UL3135 | High Temperature Silicone Rubber Insulated Wire | E227566 | | 23 |
| UL3321 | UL 3321 Cross-linked PE Insulated Wire | E227566 | | 24 |
| UL3289 | UL 3289 Cross-linked PE Insulated Wire | E227566 | | 24 |
| UL3266 | UL 3266 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3265 | UL 3265 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3363 | UL 3363 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3271 | UL 3271 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3298 | UL 3298 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3331 | UL 3331 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3351 | UL 3351 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3352 | UL 3352 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3173 | UL 3173 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 25 |
| UL3385 | UL 3385 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 26 |
| UL3302 | UL 3302 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 26 |
| UL10368 | UL 10368 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 26 |
| UL3386 | UL 3386 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 26 |
| UL3569 | UL 3569 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 26 |
| UL3275 | UL 3275 (Halogen Free) Cross-linked PE Insulated Wire | E227566 | | 26 |
| WOLVO | Nonskid Cross-lined Heat Shrink Tubing | | | 27 |
| WSS | Expandable Sleeving | | | 27 |



Standard: UL224 VW-1
C-UL CSA C 22.2 OFT

Product Introduction:

WOER Halogen Free Heat Shrinkable Tube is newly developed environment-friendly flame retardant heat shrinkable tube, using specially designed formulation of high polymers, through cross-link by electronic accelerator and continuous expansion.

The properties of environment-friendly, flexibility flame retardant, quick shrink and stable performance make them widely used in the field of electronics, communication, automobile, and widely applied for connecting or end-handling, electric wire, insulating and harness of electric wire, corrosion and rust-proof of metallic rods or tubes, antenna protection and marking for other products.

Characteristics:

1. Do not contain eight heavy metal elements and four halogen elements. Passed SGS test.
2. Do not contain organic stannum compound, Asbestos, Azo Compounds and Formaldehyde.
3. Operating Temperature: $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
4. Shrinking Temperature: Start at 70°C , and shrunk totally at 110°C (for thin wall) or 120°C (for normal wall), longitudinal shrink ratio: $\leq 8\%$
5. flexible, flame retardant
6. The Available sizes from $\phi 0.6 \sim \phi 180\text{mm}$, Can produce upon customer's Special requirement
7. Easy for use, using oven or heating gun and it will shrink.
8. Meet Sony and RoHS standard.

Standard colors: Black, Red, Yellow, Green, Purple, Blue, Grey, Brown

Technical Data:

| PROPERTY | | Test Method | Standard | |
|--|------------------------------------|---|------------------------------|------------------------|
| Physical | Tensile Strength (Mpa) | GB/T1040 | ≥ 10.4 | |
| | Elongation% | GB/T1040 | ≥ 200 | |
| | Tensile Strength after Aging (Mpa) | UL 224 $158^{\circ}\text{C} \times 168\text{hr}$ | ≥ 7.3 | |
| | Elongation after Aging % | UL 224 $158^{\circ}\text{C} \times 168\text{hr}$ | ≥ 100 | |
| | Heat Resistance | UL 224 $250^{\circ}\text{C} \times 4\text{hr}$ | No viscosity, No cracking | |
| Electrical | Cold Blend | UL 224 $-30^{\circ}\text{C} \times 4\text{hr}$ | No cracking | |
| | Dielectric Strength (kV/mm) | GB/T1408 | ≥ 15 | |
| | Dielectric Withstand | 150V | UL 224 | No breakdown for 1500V |
| | | 600V | UL 224 | No breakdown for 2500V |
| Volume resistance ($\Omega \cdot \text{cm}$) | | GB/T1410 | $\geq 1 \times 10^{14}$ | |
| Chemical | Anti Corrosion | UL 224 $158^{\circ}\text{C} \times 168\text{hr}$ | PASS | |
| | Copper stability | UL 224 $158^{\circ}\text{C} \times 168\text{hr}$ | PASS | |
| | Flammability | UL 224 | VW-1 | |

Environment Friendly Characteristics

| Hazardous element | Test Method | Result(mg/kg) | Hazardous element | Test Method | Result(mg/kg) |
|-------------------|---------------------|---------------|-------------------|-------------------|---------------|
| Cd | EN1122:2001Method B | ≤ 5 | As | EPA 3052 | ≤ 50 |
| Pb | EPA 3050 B | ≤ 90 | Se | EPA 3052 | ≤ 25 |
| Sb | EPA 3050 B | ≤ 60 | F | EN 14582 Method B | ≤ 200 |
| Ba | EPA 3050 B | ≤ 1000 | Cl | EN 14582 Method B | ≤ 800 |
| Cr | EPA 3050 B | ≤ 5 | Br | EN 14582 Method B | ≤ 800 |
| Hg | EPA 3052 | ≤ 5 | I | EN 14582 Method B | ≤ 200 |

Halogen Free Flame-retardant Normal Wall Heat Shrinkable Tube(metric)

| Size (mm) | As Supplied (mm) | | After Recovery (mm) | | Standard Package | | | Application Range (mm) |
|-----------|------------------|--------------|---------------------|--------------|------------------|---------------|-----------------|------------------------|
| | I.D. | Average W.T. | Max. I.D. | Average W.T. | M/spool | Spools/carton | Carton size(cm) | |
| Φ0.6 | 0.9±0.2 | 0.10±0.05 | ≤0.40 | 0.22±0.10 | 200 | 23 | 31×31×44.5 | 0.4~0.7 |
| Φ0.8 | 1.0±0.2 | 0.15±0.05 | ≤0.50 | 0.22±0.10 | 200 | 23 | 31×31×44.5 | 0.6~0.8 |
| Φ1.0 | 1.5±0.3 | 0.15±0.05 | ≤0.65 | 0.28±0.10 | 200 | 16 | 31×31×44.5 | 0.75~0.9 |
| Φ1.5 | 2.0±0.3 | 0.18±0.05 | ≤0.85 | 0.32±0.10 | 200 | 12 | 31×31×44.5 | 0.95~1.4 |
| Φ2.0 | 2.5±0.3 | 0.18±0.05 | ≤1.00 | 0.35±0.10 | 200 | 15 | 46×46×44.5 | 1.1~1.8 |
| Φ2.5 | 3.0±0.3 | 0.18±0.05 | ≤1.30 | 0.38±0.10 | 200 | 13 | 46×46×44.5 | 1.35~2.3 |
| Φ3.0 | 3.5±0.4 | 0.18±0.05 | ≤1.50 | 0.40±0.10 | 200 | 11 | 46×46×44.5 | 1.6~2.7 |
| Φ3.5 | 4.0±0.4 | 0.22±0.05 | ≤1.80 | 0.42±0.10 | 200 | 9 | 46×46×44.5 | 1.85~3.2 |
| Φ4.0 | 4.5±0.4 | 0.25±0.05 | ≤2.00 | 0.45±0.10 | 200 | 7 | 46×46×44.5 | 2.1~3.6 |
| Φ4.5 | 5.0±0.4 | 0.25±0.05 | ≤2.30 | 0.50±0.10 | 100 | 10 | 46×46×44.5 | 2.35~4.0 |
| Φ5.0 | 5.5±0.4 | 0.25±0.05 | ≤2.5 | 0.55±0.10 | 100 | 9 | 46×46×44.5 | 2.6~4.5 |
| Φ6.0 | 6.5±0.4 | 0.28±0.05 | ≤3.0 | 0.55±0.10 | 100 | 7 | 46×46×44.5 | 3.1~5.4 |
| Φ7.0 | 7.5±0.4 | 0.28±0.05 | ≤3.5 | 0.55±0.10 | 100 | 14 | 46×46×31 | 3.7~6.3 |
| Φ8.0 | 8.5±0.5 | 0.28±0.05 | ≤4.0 | 0.60±0.10 | 100 | 13 | 46×46×31 | 4.2~7.2 |
| Φ9.0 | 9.5±0.5 | 0.30±0.08 | ≤4.5 | 0.60±0.10 | 100 | 12 | 46×46×31 | 4.7~8.0 |
| Φ10 | 10.5±0.5 | 0.30±0.08 | ≤5.0 | 0.60±0.10 | 100 | 11 | 46×46×31 | 5.2~9.0 |
| Φ11 | 11.5±0.5 | 0.30±0.08 | ≤5.5 | 0.60±0.10 | 100 | 11 | 46×46×31 | 5.7~10 |
| Φ12 | 12.5±0.5 | 0.30±0.08 | ≤6.0 | 0.60±0.10 | 100 | 10 | 46×46×31 | 6.2~11 |
| Φ13 | 13.5±0.5 | 0.35±0.10 | ≤6.5 | 0.65±0.10 | 100 | 9 | 46×46×29.5 | 6.7~12 |
| Φ14 | 14.5±0.5 | 0.35±0.10 | ≤7.0 | 0.65±0.10 | 100 | 9 | 46×46×31 | 7.3~13 |
| Φ15 | 15.5±0.6 | 0.40±0.12 | ≤7.5 | 0.70±0.10 | 100 | 8 | 46×46×29.5 | 7.8~14 |
| Φ16 | 17.0±0.6 | 0.40±0.12 | ≤8.0 | 0.70±0.10 | 100 | 8 | 46×46×31 | 8.3~15 |
| Φ17 | 17.5±0.6 | 0.40±0.12 | ≤8.5 | 0.70±0.10 | 100 | 7 | 46×46×29.5 | 8.8~16 |
| Φ18 | 19.0±0.7 | 0.40±0.15 | ≤9.0 | 0.80±0.15 | 100 | 7 | 46×46×29.5 | 9.3~17 |
| Φ20 | 22.0±0.7 | 0.40±0.15 | ≤10.0 | 0.80±0.15 | 100 | 6 | 46×46×29.5 | 10.4~19 |
| Φ22 | 24.0±0.7 | 0.40±0.15 | ≤11.0 | 0.80±0.15 | 100 | 6 | 46×46×31 | 11.4~21 |
| Φ25 | 26.0±0.7 | 0.55±0.15 | ≤12.5 | 0.90±0.15 | 50 | 6 | 46×46×31 | 12.8~24 |
| Φ28 | 29.0±0.7 | 0.55±0.15 | ≤14.0 | 0.90±0.15 | 50 | 5 | 46×46×29.5 | 14.4~29 |
| Φ30 | 31.5±0.7 | 0.55±0.15 | ≤15.0 | 0.95±0.15 | 50 | 5 | 46×46×31 | 16~29 |
| Φ35 | 36.5±0.7 | 0.55±0.15 | ≤17.5 | 1.00±0.15 | 50 | 4 | 46×46×29.5 | 18~34 |
| Φ40 | 41.5±0.7 | 0.55±0.15 | ≤20.0 | 1.00±0.15 | 50 | 4 | 46×46×31 | 21~39 |
| Φ45 | 46.0±0.7 | 0.55±0.15 | ≤22.5 | 1.00±0.15 | 25 | 5 | 31×31×40.5 | 23~44 |
| Φ50 | 51.0±0.7 | 0.55±0.15 | ≤25.0 | 1.00±0.15 | 25 | 5 | 46×46×44.5 | 26~49 |
| Φ60 | ≥60 | 0.60±0.15 | ≤31.0 | 1.30±0.20 | 25 | 4 | 31×31×42 | 35~55 |
| Φ70 | ≥70 | 0.65±0.15 | ≤36.0 | 1.30±0.20 | 25 | 3 | 31×31×37 | 40~65 |
| Φ80 | ≥80 | 0.70±0.15 | ≤41.0 | 1.46±0.20 | 25 | 3 | 31×31×42 | 45~75 |
| Φ90 | ≥90 | 0.70±0.15 | ≤46.0 | 1.46±0.20 | 25 | 2 | 31×31×32 | 50~88 |
| Φ100 | ≥100 | 0.70±0.20 | ≤51.0 | 1.46±0.20 | 25 | 2 | 31×31×34.5 | 55~95 |
| Φ120 | ≥120 | 0.70±0.20 | ≤61.0 | 1.56±0.20 | 15 | 2 | 31×31×40.5 | 65~115 |
| Φ150 | ≥150 | 0.70±0.20 | ≤76.0 | 1.56±0.20 | 15 | 2 | 31×31×49.5 | 80~145 |
| Φ180 | ≥180 | 0.70±0.30 | ≤91.0 | 1.56±0.20 | 15 | 1 | 31×31×31 | 95~175 |

Halogen Free Flame-retardant Normal Wall Heat Shrinkable Tube(inch)

| Inch | Size (mm) | As Supplied (mm) | | After Recovery (mm) | | Standard Package | | | Application Range (mm) |
|-------|-----------|------------------|--------------|---------------------|--------------|------------------|---------------|-----------------|------------------------|
| | | I.D. | Average W.T. | Max. I.D. | Average W.T. | M/spool | Spools/carton | Carton size(cm) | |
| 3/64 | Φ0.8 | 1.0±0.2 | 0.15±0.05 | ≤0.50 | 0.22±0.10 | 200 | 23 | 31×31×44.5 | 0.6~0.8 |
| 1/16 | Φ1.0 | 1.5±0.3 | 0.15±0.05 | ≤0.65 | 0.28±0.10 | 200 | 16 | 31×31×44.5 | 0.75~0.9 |
| 3/32 | Φ2.0 | 2.5±0.3 | 0.18±0.05 | ≤1.00 | 0.35±0.10 | 200 | 15 | 46×46×44.5 | 1.1~1.8 |
| 1/8 | Φ3.0 | 3.5±0.4 | 0.18±0.05 | ≤1.50 | 0.40±0.10 | 200 | 11 | 46×46×44.5 | 1.6~2.7 |
| 3/16 | Φ4.5 | 5.0±0.4 | 0.25±0.05 | ≤2.30 | 0.50±0.10 | 100 | 10 | 46×46×44.5 | 2.35~4.0 |
| 1/4 | Φ6.0 | 6.5±0.4 | 0.28±0.05 | ≤3.0 | 0.55±0.10 | 100 | 7 | 46×46×44.5 | 3.1~5.4 |
| 3/8 | Φ9.0 | 9.5±0.5 | 0.30±0.08 | ≤4.5 | 0.60±0.10 | 100 | 12 | 46×46×31 | 4.7~8.0 |
| 1/2 | Φ12 | 12.5±0.5 | 0.30±0.08 | ≤6.0 | 0.60±0.10 | 100 | 10 | 46×46×31 | 6.2~11 |
| 3/4 | Φ18 | 19.0±0.7 | 0.40±0.15 | ≤9.0 | 0.80±0.15 | 100 | 7 | 46×46×29.5 | 9.3~17 |
| 1 | Φ25 | 26.0±0.7 | 0.55±0.15 | ≤12.5 | 0.90±0.15 | 50 | 6 | 46×46×31 | 12.8~24 |
| 1-1/4 | Φ28 | 29.0±0.7 | 0.55±0.15 | ≤14.0 | 0.90±0.15 | 50 | 5 | 46×46×29.5 | 14.4~29 |
| 1-1/2 | Φ40 | 41.5±0.7 | 0.55±0.15 | ≤20.0 | 1.00±0.15 | 50 | 4 | 46×46×31 | 21~39 |
| 2 | Φ50 | 51.0±0.7 | 0.55±0.15 | ≤25.0 | 1.00±0.15 | 25 | 5 | 46×46×44.5 | 26~49 |
| 3 | Φ80 | ≥80 | 0.70±0.15 | ≤41.0 | 1.46±0.20 | 25 | 3 | 31×31×42 | 45~75 |
| 4 | Φ100 | ≥100 | 0.70±0.20 | ≤51.0 | 1.46±0.20 | 25 | 2 | 31×31×34.5 | 55~95 |
| 5 | Φ120 | ≥120 | 0.70±0.20 | ≤61.0 | 1.56±0.20 | 15 | 2 | 31×31×40.5 | 65~115 |

Halogen Free Flame-retardant Thin Wall Heat Shrinkable Tube(metric)

| Size (mm) | As Supplied (mm) | | After Recovery (mm) | | Standard Package | | | Application Range (mm) |
|-----------|------------------|--------------|---------------------|--------------|------------------|---------------|-----------------|------------------------|
| | I.D. | Average W.T. | Max. I.D. | Average W.T. | M/spool | Spools/carton | Carton size(cm) | |
| Φ1.0CB | 1.50±0.3 | 0.12±0.05 | ≤0.65 | 0.20±0.10 | 200 | 19 | 31×31×44.5 | 0.7~1.0 |
| Φ1.5CB | 1.90±0.3 | 0.13±0.05 | ≤0.85 | 0.20±0.10 | 200 | 13 | 31×31×44.5 | 0.9~1.4 |
| Φ2.0CB | 2.35±0.3 | 0.15±0.05 | ≤1.00 | 0.22±0.10 | 200 | 18 | 46×46×44.5 | 1.1~1.8 |
| Φ2.5CB | 2.80±0.4 | 0.15±0.05 | ≤1.30 | 0.25±0.10 | 200 | 15 | 46×46×44.5 | 1.4~2.3 |
| Φ3.0CB | 3.40±0.4 | 0.15±0.05 | ≤1.50 | 0.28±0.10 | 200 | 13 | 46×46×44.5 | 1.6~2.7 |
| Φ3.5CB | 3.80±0.4 | 0.15±0.05 | ≤1.80 | 0.28±0.10 | 200 | 10 | 46×46×44.5 | 1.9~3.2 |
| Φ4.0CB | 4.40±0.4 | 0.18±0.05 | ≤2.00 | 0.35±0.10 | 200 | 8 | 46×46×44.5 | 2.1~3.6 |
| Φ4.5CB | 4.70±0.4 | 0.18±0.05 | ≤2.30 | 0.35±0.10 | 100 | 10 | 46×46×44.5 | 2.4~4.0 |
| Φ5.0CB | 5.50±0.4 | 0.18±0.05 | ≤2.5 | 0.37±0.10 | 100 | 10 | 46×46×44.5 | 2.6~4.5 |
| Φ6.0CB | 6.50±0.4 | 0.20±0.05 | ≤3.0 | 0.39±0.10 | 100 | 8 | 46×46×44.5 | 3.1~5.4 |
| Φ7.0CB | 7.5±0.4 | 0.18±0.05 | ≤3.5 | 0.32±0.10 | 100 | 20 | 31×31×44.5 | 3.7~6.3 |
| Φ8.0CB | 8.5±0.5 | 0.18±0.05 | ≤4.0 | 0.32±0.10 | 100 | 18 | 31×31×44.5 | 4.2~7.2 |
| Φ9.0CB | 9.5±0.5 | 0.18±0.05 | ≤4.5 | 0.35±0.10 | 100 | 18 | 31×31×44.5 | 4.7~8.0 |
| Φ10CB | 10.5±0.5 | 0.18±0.05 | ≤5.0 | 0.35±0.10 | 100 | 16 | 31×31×44.5 | 5.2~9.0 |
| Φ11CB | 11.5±0.5 | 0.18±0.05 | ≤5.5 | 0.40±0.10 | 100 | 15 | 31×31×44.5 | 5.7~10.0 |
| Φ12CB | 12.5±0.5 | 0.20±0.05 | ≤6.0 | 0.40±0.10 | 100 | 10 | 46×46×31 | 6.2~11.0 |
| Φ13CB | 13.5±0.5 | 0.20±0.05 | ≤6.5 | 0.40±0.10 | 100 | 9 | 46×46×29.5 | 6.7~12.0 |
| Φ14CB | 14.5±0.5 | 0.20±0.05 | ≤7.0 | 0.40±0.10 | 100 | 9 | 46×46×29.5 | 7.3~13.0 |
| Φ15CB | 15.5±0.5 | 0.20±0.05 | ≤7.5 | 0.40±0.10 | 100 | 8 | 46×46×29.5 | 7.8~14.8 |
| Φ16CB | 16.5±0.5 | 0.22±0.05 | ≤8.0 | 0.40±0.10 | 100 | 8 | 46×46×31 | 8.3~15.8 |
| Φ18CB | 18.5±0.5 | 0.22±0.05 | ≤9.0 | 0.45±0.10 | 100 | 7 | 46×46×29.5 | 9.3~17.0 |
| Φ20CB | 20.5±0.5 | 0.22±0.05 | ≤10.0 | 0.45±0.10 | 100 | 6 | 46×46×29.5 | 10.5~19.0 |
| Φ22CB | 22.8±0.5 | 0.25±0.05 | ≤11.0 | 0.45±0.10 | 100 | 6 | 46×46×29.5 | 11.5~20.5 |
| Φ25CB | 25.5±0.5 | 0.25±0.05 | ≤12.5 | 0.45±0.10 | 50 | 6 | 46×46×31 | 12.5~25.5 |

Halogen Free Flame-retardant Thin Wall Heat Shrinkable Tube(inch)

| Inch | Size (mm) | As Supplied (mm) | | After Recovery (mm) | | Standard Package | | | Application Range (mm) |
|------|-----------|------------------|--------------|---------------------|--------------|------------------|---------------|-----------------|------------------------|
| | | I.D. | Average W.T. | Max. I.D. | Average W.T. | M/spool | Spools/carton | Carton size(cm) | |
| 1/16 | Φ1.0 CB | 1.50±0.30 | 0.12±0.05 | ≤0.65 | 0.20±0.10 | 200 | 19 | 31×31×44.5 | 0.7~1.0 |
| 3/32 | Φ2.0 CB | 2.35±0.30 | 0.15±0.05 | ≤1.00 | 0.22±0.10 | 200 | 18 | 46×46×44.5 | 1.1~1.8 |
| 1/8 | Φ3.0 CB | 3.40±0.40 | 0.15±0.05 | ≤1.50 | 0.28±0.10 | 200 | 13 | 46×46×44.5 | 1.6~2.7 |
| 3/16 | Φ4.5 CB | 4.70±0.40 | 0.18±0.05 | ≤2.30 | 0.35±0.10 | 100 | 10 | 46×46×44.5 | 2.4~4.0 |
| 1/4 | Φ6.0 CB | 6.5±0.40 | 0.20±0.05 | ≤3.0 | 0.39±0.10 | 100 | 8 | 46×46×44.5 | 3.1~5.4 |
| 3/8 | Φ9.0 CB | 9.5±0.50 | 0.18±0.05 | ≤4.5 | 0.35±0.10 | 100 | 18 | 31×31×44.5 | 4.7~8.0 |
| 1/2 | Φ12.0 CB | 12.5±0.50 | 0.20±0.05 | ≤6.0 | 0.40±0.10 | 100 | 10 | 46×46×31 | 6.2~11.0 |
| 3/4 | Φ18.0 CB | 18.5±0.50 | 0.22±0.05 | ≤9.0 | 0.45±0.10 | 100 | 7 | 46×46×29.5 | 9.3~17.0 |
| 1 | Φ25.0 CB | 25.5±0.50 | 0.25±0.05 | ≤12.5 | 0.45±0.10 | 50 | 6 | 46×46×31 | 12.5~25.5 |



Standard: UL224 VW-1
C-UL CSA C 22.2 OFT

Product Introduction:

WOER Environment Friendly Flame-retardant Heat Shrinkable Tube is newly developed environment-friendly flame retardant heat shrinkable tube, using specially designed formulation of high polymers, through cross-link by electronic accelerator and continuous expansion.

The properties of environment-friendly, flexibility flame retardant, quick shrink and stable performance make them widely used in the field of electronics, communication, automobile, and widely applied for connecting or end-handling, electric wire, insulating and harness of electric wire, corrosion and rust-proof of metallic rods or tubes, antenna protection and marking for other products.

Characteristics:

1. Operating Temperature: $-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$
2. Shrinking Temperature: Start at 70°C , and shrunk totally at 110°C (for thin wall-CB) Or 125°C (for normal wall), longitudinal shrink ratio: $\leq 8\%$
3. flexible, flame retardant
4. The Available sizes from $\phi 0.6 \sim \phi 180\text{mm}$, Can produce upon customer's special requirement.
5. Easy for use, using oven or heating gun and it will shrink.
6. Meet RoHS standard.

Standard colors: Black, White, Red, Yellow, Green, Purple, Blue, Grey, Brown
(Other color available upon request.)

Technical Data:

| PROPERTY | | Test Method | Standard | |
|--|------------------------------------|----------------------|------------------------------------|------------------------|
| Physical | Tensile Strength (Mpa) | GB/T1040 | ≥ 10.4 | |
| | Elongation% | GB/T1040 | ≥ 200 | |
| | Tensile Strength after Aging (Mpa) | UL 224 158°C x 168hr | ≥ 7.3 | |
| | Elongation after Aging % | UL 224 158°C x 168hr | ≥ 100 | |
| Heat Resistance | | UL 224 250°C x 4hr | No viscosity, No cracking | |
| Electrical | Cold Blend | | UL 224 -30°C x 4hr | No cracking |
| | Dielectric Strength (kV/mm) | | GB/T1408 | ≥ 15 |
| | Dielectric Withstand | 150 V | UL 224 | No breakdown for 1500V |
| | | 600 V | UL 224 | No breakdown for 2500V |
| Volume resistance ($\Omega \cdot \text{cm}$) | | GB/T1410 | $\geq 1 \times 10^{14}$ | |
| Chemical | Anti Corrosion | | UL 224 158°C x 168hr | PASS |
| | Copper stability | | UL 224 158°C x 168hr | PASS |
| | Flammability | | UL 224 | VW-1 |

Environment Friendly Flame-retardant Normal Wall Heat Shrinkable Tube(inch)

| Inch | Size (mm) (H) | As Supplied (mm) | | After Recovery (mm) | | Standard Package | | | Application Range (mm) |
|-------|---------------|------------------|-----------------|---------------------|-----------------|------------------|---------------|----------------------------|------------------------|
| | | I.D. | Average W.T. | Max. I.D. | Average W.T. | M/spool | Spools/carton | Carton size(cm) | |
| 3/64 | $\phi 0.8$ | 1.0 ± 0.2 | 0.15 ± 0.05 | ≤ 0.50 | 0.22 ± 0.10 | 200 | 23 | $31 \times 31 \times 44.5$ | 0.6 ~ 0.8 |
| 1/16 | $\phi 1.0$ | 1.5 ± 0.3 | 0.15 ± 0.05 | ≤ 0.65 | 0.28 ± 0.10 | 200 | 16 | $31 \times 31 \times 44.5$ | 0.75 ~ 0.9 |
| 3/32 | $\phi 2.0$ | 2.5 ± 0.3 | 0.18 ± 0.05 | ≤ 1.00 | 0.35 ± 0.10 | 200 | 15 | $46 \times 46 \times 44.5$ | 1.1 ~ 1.8 |
| 1/8 | $\phi 3.0$ | 3.5 ± 0.4 | 0.18 ± 0.05 | ≤ 1.50 | 0.40 ± 0.10 | 200 | 11 | $46 \times 46 \times 44.5$ | 1.6 ~ 2.7 |
| 3/16 | $\phi 4.5$ | 5.0 ± 0.4 | 0.25 ± 0.05 | ≤ 2.30 | 0.50 ± 0.10 | 100 | 10 | $46 \times 46 \times 44.5$ | 2.35 ~ 4.0 |
| 1/4 | $\phi 6.0$ | 6.5 ± 0.4 | 0.28 ± 0.05 | ≤ 3.0 | 0.55 ± 0.10 | 100 | 7 | $46 \times 46 \times 44.5$ | 3.1 ~ 5.4 |
| 3/8 | $\phi 9.0$ | 9.5 ± 0.5 | 0.30 ± 0.08 | ≤ 4.5 | 0.60 ± 0.10 | 100 | 12 | $46 \times 46 \times 31$ | 4.7 ~ 8.0 |
| 1/2 | $\phi 12$ | 12.5 ± 0.5 | 0.30 ± 0.08 | ≤ 6.0 | 0.60 ± 0.10 | 100 | 10 | $46 \times 46 \times 31$ | 6.2 ~ 11 |
| 3/4 | $\phi 18$ | 19.0 ± 0.7 | 0.40 ± 0.15 | ≤ 9.0 | 0.80 ± 0.15 | 100 | 7 | $46 \times 46 \times 29.5$ | 9.3 ~ 17 |
| 1 | $\phi 25$ | 26.0 ± 0.7 | 0.55 ± 0.15 | ≤ 12.5 | 0.90 ± 0.15 | 50 | 6 | $46 \times 46 \times 31$ | 12.8 ~ 24 |
| 1-1/4 | $\phi 28$ | 29.0 ± 0.7 | 0.55 ± 0.15 | ≤ 14.0 | 0.90 ± 0.15 | 50 | 5 | $46 \times 46 \times 29.5$ | 14.4 ~ 29 |
| 1-1/2 | $\phi 40$ | 41.5 ± 0.7 | 0.55 ± 0.15 | ≤ 20.0 | 1.00 ± 0.15 | 50 | 4 | $46 \times 46 \times 31$ | 21 ~ 39 |
| 2 | $\phi 50$ | 51.0 ± 0.7 | 0.55 ± 0.15 | ≤ 25.0 | 1.00 ± 0.15 | 25 | 5 | $46 \times 46 \times 44.5$ | 26 ~ 49 |
| 3 | $\phi 80$ | ≥ 80 | 0.70 ± 0.15 | ≤ 41.0 | 1.46 ± 0.20 | 25 | 3 | $31 \times 31 \times 42$ | 45 ~ 75 |
| 4 | $\phi 100$ | ≥ 100 | 0.70 ± 0.20 | ≤ 51.0 | 1.46 ± 0.20 | 25 | 2 | $31 \times 31 \times 34.5$ | 55 ~ 95 |
| 5 | $\phi 120$ | ≥ 120 | 0.70 ± 0.20 | ≤ 61.0 | 1.56 ± 0.20 | 15 | 2 | $31 \times 31 \times 40.5$ | 65 ~ 115 |



Environment Friendly Flame-retardant Normal Wall Heat Shrinkable Tube(Metric)

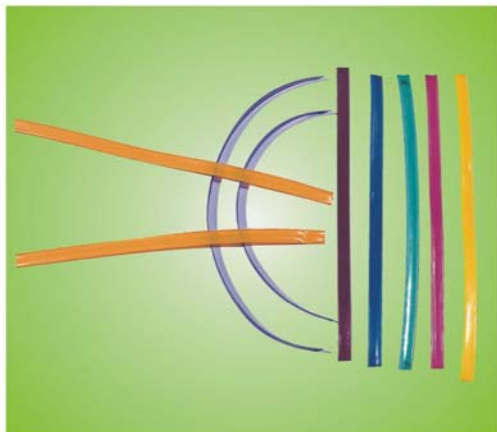
| Size (mm) | As Supplied (mm) | | After Recovery (mm) | | Standard Package | | | Application Range (mm) |
|-----------|------------------|--------------|---------------------|--------------|------------------|---------------|-----------------|------------------------|
| | I.D. | Average W.T. | Max. I.D. | Average W.T. | M/spool | Spools/carton | Carton size(cm) | |
| Φ0.6 | 0.9±0.2 | 0.10±0.05 | ≤0.40 | 0.22±0.10 | 200 | 23 | 31×31×44.5 | 0.4~0.7 |
| Φ0.8 | 1.0±0.2 | 0.15±0.05 | ≤0.50 | 0.22±0.10 | 200 | 23 | 31×31×44.5 | 0.6~0.8 |
| Φ1.0 | 1.5±0.3 | 0.15±0.05 | ≤0.65 | 0.28±0.10 | 200 | 16 | 31×31×44.5 | 0.75~0.9 |
| Φ1.5 | 2.0±0.3 | 0.18±0.05 | ≤0.85 | 0.32±0.10 | 200 | 12 | 31×31×44.5 | 0.95~1.4 |
| Φ2.0 | 2.5±0.3 | 0.18±0.05 | ≤1.00 | 0.35±0.10 | 200 | 15 | 46×46×44.5 | 1.1~1.8 |
| Φ2.5 | 3.0±0.3 | 0.18±0.05 | ≤1.30 | 0.38±0.10 | 200 | 13 | 46×46×44.5 | 1.35~2.3 |
| Φ3.0 | 3.5±0.4 | 0.18±0.05 | ≤1.50 | 0.40±0.10 | 200 | 11 | 46×46×44.5 | 1.6~2.7 |
| Φ3.5 | 4.0±0.4 | 0.22±0.05 | ≤1.80 | 0.42±0.10 | 200 | 9 | 46×46×44.5 | 1.85~3.2 |
| Φ4.0 | 4.5±0.4 | 0.25±0.05 | ≤2.00 | 0.45±0.10 | 200 | 7 | 46×46×44.5 | 2.1~3.6 |
| Φ4.5 | 5.0±0.4 | 0.25±0.05 | ≤2.30 | 0.50±0.10 | 100 | 10 | 46×46×44.5 | 2.35~4.0 |
| Φ5.0 | 5.5±0.4 | 0.25±0.05 | ≤2.5 | 0.55±0.10 | 100 | 9 | 46×46×44.5 | 2.6~4.5 |
| Φ6.0 | 6.5±0.4 | 0.28±0.05 | ≤3.0 | 0.55±0.10 | 100 | 7 | 46×46×44.5 | 3.1~5.4 |
| Φ7.0 | 7.5±0.4 | 0.28±0.05 | ≤3.5 | 0.55±0.10 | 100 | 14 | 46×46×31 | 3.7~6.3 |
| Φ8.0 | 8.5±0.5 | 0.28±0.05 | ≤4.0 | 0.60±0.10 | 100 | 13 | 46×46×31 | 4.2~7.2 |
| Φ9.0 | 9.5±0.5 | 0.30±0.08 | ≤4.5 | 0.60±0.10 | 100 | 12 | 46×46×31 | 4.7~8.0 |
| Φ10 | 10.5±0.5 | 0.30±0.08 | ≤5.0 | 0.60±0.10 | 100 | 11 | 46×46×31 | 5.2~9.0 |
| Φ11 | 11.5±0.5 | 0.30±0.08 | ≤5.5 | 0.60±0.10 | 100 | 11 | 46×46×31 | 5.7~10 |
| Φ12 | 12.5±0.5 | 0.30±0.08 | ≤6.0 | 0.60±0.10 | 100 | 10 | 46×46×31 | 6.2~11 |
| Φ13 | 13.5±0.5 | 0.35±0.10 | ≤6.5 | 0.65±0.10 | 100 | 9 | 46×46×29.5 | 6.7~12 |
| Φ14 | 14.5±0.5 | 0.35±0.10 | ≤7.0 | 0.65±0.10 | 100 | 9 | 46×46×31 | 7.3~13 |
| Φ15 | 15.5±0.6 | 0.40±0.12 | ≤7.5 | 0.70±0.10 | 100 | 8 | 46×46×29.5 | 7.8~14 |
| Φ16 | 17.0±0.6 | 0.40±0.12 | ≤8.0 | 0.70±0.10 | 100 | 8 | 46×46×31 | 8.3~15 |
| Φ17 | 17.5±0.6 | 0.40±0.12 | ≤8.5 | 0.70±0.10 | 100 | 7 | 46×46×29.5 | 8.8~16 |
| Φ18 | 19.0±0.7 | 0.40±0.15 | ≤9.0 | 0.80±0.15 | 100 | 7 | 46×46×29.5 | 9.3~17 |
| Φ20 | 22.0±0.7 | 0.40±0.15 | ≤10.0 | 0.80±0.15 | 100 | 6 | 46×46×29.5 | 10.4~19 |
| Φ22 | 24.0±0.7 | 0.40±0.15 | ≤11.0 | 0.80±0.15 | 100 | 6 | 46×46×31 | 11.4~21 |
| Φ25 | 26.0±0.7 | 0.55±0.15 | ≤12.5 | 0.90±0.15 | 50 | 6 | 46×46×31 | 12.8~24 |
| Φ28 | 29.0±0.7 | 0.55±0.15 | ≤14.0 | 0.90±0.15 | 50 | 5 | 46×46×29.5 | 14.4~29 |
| Φ30 | 31.5±0.7 | 0.55±0.15 | ≤15.0 | 0.95±0.15 | 50 | 5 | 46×46×31 | 16~29 |
| Φ35 | 36.5±0.7 | 0.55±0.15 | ≤17.5 | 1.00±0.15 | 50 | 4 | 46×46×29.5 | 18~34 |
| Φ40 | 41.5±0.7 | 0.55±0.15 | ≤20.0 | 1.00±0.15 | 50 | 4 | 46×46×31 | 21~39 |
| Φ45 | 46.0±0.7 | 0.55±0.15 | ≤22.5 | 1.00±0.15 | 25 | 5 | 31×31×40.5 | 23~44 |
| Φ50 | 51.0±0.7 | 0.55±0.15 | ≤25.0 | 1.00±0.15 | 25 | 5 | 46×46×44.5 | 26~49 |
| Φ60 | ≥60 | 0.60±0.15 | ≤31.0 | 1.30±0.20 | 25 | 4 | 31×31×42 | 35~55 |
| Φ70 | ≥70 | 0.65±0.15 | ≤36.0 | 1.30±0.20 | 25 | 3 | 31×31×37 | 40~65 |
| Φ80 | ≥80 | 0.70±0.15 | ≤41.0 | 1.46±0.20 | 25 | 3 | 31×31×42 | 45~75 |
| Φ90 | ≥90 | 0.70±0.15 | ≤46.0 | 1.46±0.20 | 25 | 2 | 31×31×32 | 50~88 |
| Φ100 | ≥100 | 0.70±0.20 | ≤51.0 | 1.46±0.20 | 25 | 2 | 31×31×34.5 | 55~95 |
| Φ120 | ≥120 | 0.70±0.20 | ≤61.0 | 1.56±0.20 | 15 | 2 | 31×31×40.5 | 65~115 |
| Φ150 | ≥150 | 0.70±0.20 | ≤76.0 | 1.56±0.20 | 15 | 2 | 31×31×49.5 | 80~145 |
| Φ180 | ≥180 | 0.70±0.30 | ≤91.0 | 1.56±0.20 | 15 | 1 | 31×31×31 | 95~175 |

Environment Friendly Flame-retardant Thin Wall Heat Shrinkable Tube(Metric) ◀

| Size (mm) | As Supplied (mm) | | After Recovery (mm) | | Standard Package | | | Application Range (mm) |
|-----------|------------------|--------------|---------------------|--------------|------------------|---------------|-----------------|------------------------|
| | I.D. | Average W.T. | Max. I.D. | Average W.T. | M/spool | Spools/carton | Carton size(cm) | |
| Φ 1.0CB | 1.50 ± 0.3 | 0.10 ± 0.05 | ≤ 0.65 | 0.20 ± 0.10 | 200 | 19 | 31 × 31 × 44.5 | 0.7 ~ 1.0 |
| Φ 1.5CB | 1.90 ± 0.3 | 0.10 ± 0.05 | ≤ 0.85 | 0.20 ± 0.10 | 200 | 13 | 31 × 31 × 44.5 | 0.9 ~ 1.4 |
| Φ 2.0CB | 2.35 ± 0.3 | 0.13 ± 0.05 | ≤ 1.00 | 0.22 ± 0.10 | 200 | 18 | 46 × 46 × 44.5 | 1.1 ~ 1.8 |
| Φ 2.5CB | 2.80 ± 0.4 | 0.13 ± 0.05 | ≤ 1.30 | 0.25 ± 0.10 | 200 | 15 | 46 × 46 × 44.5 | 1.4 ~ 2.3 |
| Φ 3.0CB | 3.40 ± 0.4 | 0.13 ± 0.05 | ≤ 1.50 | 0.28 ± 0.10 | 200 | 13 | 46 × 46 × 44.5 | 1.6 ~ 2.7 |
| Φ 3.5CB | 3.80 ± 0.4 | 0.13 ± 0.05 | ≤ 1.80 | 0.28 ± 0.10 | 200 | 10 | 46 × 46 × 44.5 | 1.9 ~ 3.2 |
| Φ 4.0CB | 4.40 ± 0.4 | 0.15 ± 0.05 | ≤ 2.00 | 0.30 ± 0.10 | 200 | 8 | 46 × 46 × 44.5 | 2.1 ~ 3.6 |
| Φ 4.5CB | 4.70 ± 0.4 | 0.15 ± 0.05 | ≤ 2.30 | 0.35 ± 0.10 | 100 | 10 | 46 × 46 × 44.5 | 2.4 ~ 4.0 |
| Φ 5.0CB | 5.50 ± 0.4 | 0.15 ± 0.05 | ≤ 2.5 | 0.32 ± 0.10 | 100 | 10 | 46 × 46 × 44.5 | 2.6 ~ 4.5 |
| Φ 6.0CB | 6.50 ± 0.4 | 0.15 ± 0.05 | ≤ 3.0 | 0.32 ± 0.10 | 100 | 8 | 46 × 46 × 44.5 | 3.1 ~ 5.4 |
| Φ 7.0CB | 7.5 ± 0.4 | 0.15 ± 0.05 | ≤ 3.5 | 0.32 ± 0.10 | 100 | 20 | 31 × 31 × 44.5 | 3.7 ~ 6.3 |
| Φ 8.0CB | 8.5 ± 0.5 | 0.15 ± 0.05 | ≤ 4.0 | 0.32 ± 0.10 | 100 | 18 | 31 × 31 × 44.5 | 4.2 ~ 7.2 |
| Φ 9.0CB | 9.5 ± 0.5 | 0.15 ± 0.05 | ≤ 4.5 | 0.35 ± 0.10 | 100 | 18 | 31 × 31 × 44.5 | 4.7 ~ 8.0 |
| Φ 10CB | 10.5 ± 0.5 | 0.15 ± 0.05 | ≤ 5.0 | 0.35 ± 0.10 | 100 | 16 | 31 × 31 × 44.5 | 5.2 ~ 9.0 |
| Φ 11CB | 11.5 ± 0.5 | 0.18 ± 0.05 | ≤ 5.5 | 0.40 ± 0.10 | 100 | 15 | 31 × 31 × 44.5 | 5.7 ~ 10.0 |
| Φ 12CB | 12.5 ± 0.5 | 0.20 ± 0.05 | ≤ 6.0 | 0.40 ± 0.10 | 100 | 10 | 46 × 46 × 31 | 6.2 ~ 11.0 |
| Φ 13CB | 13.5 ± 0.5 | 0.20 ± 0.05 | ≤ 6.5 | 0.40 ± 0.10 | 100 | 9 | 46 × 46 × 29.5 | 6.7 ~ 12.0 |
| Φ 14CB | 14.5 ± 0.5 | 0.20 ± 0.05 | ≤ 7.0 | 0.40 ± 0.10 | 100 | 9 | 46 × 46 × 29.5 | 7.3 ~ 13.0 |
| Φ 15CB | 15.5 ± 0.5 | 0.20 ± 0.05 | ≤ 7.5 | 0.40 ± 0.10 | 100 | 8 | 46 × 46 × 29.5 | 7.8 ~ 14.8 |
| Φ 16CB | 16.5 ± 0.5 | 0.22 ± 0.05 | ≤ 8.0 | 0.40 ± 0.10 | 100 | 8 | 46 × 46 × 31 | 8.3 ~ 15.8 |
| Φ 18CB | 18.5 ± 0.5 | 0.22 ± 0.05 | ≤ 9.0 | 0.42 ± 0.10 | 100 | 7 | 46 × 46 × 29.5 | 9.3 ~ 17.0 |
| Φ 20CB | 20.5 ± 0.5 | 0.22 ± 0.05 | ≤ 10.0 | 0.45 ± 0.10 | 100 | 6 | 46 × 46 × 29.5 | 10.5 ~ 19.0 |
| Φ 22CB | 22.8 ± 0.5 | 0.25 ± 0.05 | ≤ 11.0 | 0.45 ± 0.10 | 100 | 6 | 46 × 46 × 29.5 | 11.5 ~ 20.5 |
| Φ 25CB | 25.5 ± 0.5 | 0.25 ± 0.05 | ≤ 12.5 | 0.45 ± 0.10 | 50 | 6 | 46 × 46 × 31 | 12.5 ~ 25.5 |

Environment Friendly Flame-retardant Thin Wall Heat Shrinkable Tube(Inch) ◀

| Inch | Size (mm) | As Supplied (mm) | | After Recovery (mm) | | Standard Package | | | Application Range (mm) |
|------|-----------|------------------|--------------|---------------------|--------------|------------------|---------------|-----------------|------------------------|
| | | I.D. | Average W.T. | Max. I.D. | Average W.T. | M/spool | Spools/carton | Carton size(cm) | |
| 1/16 | Φ 1.0 CB | 1.50 ± 0.30 | 0.10 ± 0.05 | ≤ 0.65 | 0.20 ± 0.10 | 200 | 19 | 31 × 31 × 44.5 | 0.7 ~ 1.0 |
| 3/32 | Φ 2.0 CB | 2.35 ± 0.30 | 0.13 ± 0.05 | ≤ 1.00 | 0.22 ± 0.10 | 200 | 18 | 46 × 46 × 44.5 | 1.1 ~ 1.8 |
| 1/8 | Φ 3.0 CB | 3.40 ± 0.40 | 0.13 ± 0.05 | ≤ 1.50 | 0.28 ± 0.10 | 200 | 13 | 46 × 46 × 44.5 | 1.6 ~ 2.7 |
| 3/16 | Φ 4.5 CB | 4.70 ± 0.40 | 0.15 ± 0.05 | ≤ 2.30 | 0.35 ± 0.10 | 100 | 10 | 46 × 46 × 44.5 | 2.4 ~ 4.0 |
| 1/4 | Φ 6.0 CB | 6.5 ± 0.40 | 0.15 ± 0.05 | ≤ 3.0 | 0.32 ± 0.10 | 100 | 8 | 46 × 46 × 44.5 | 3.1 ~ 5.4 |
| 3/8 | Φ 9.0 CB | 9.5 ± 0.50 | 0.15 ± 0.05 | ≤ 4.5 | 0.35 ± 0.10 | 100 | 18 | 31 × 31 × 44.5 | 4.7 ~ 8.0 |
| 1/2 | Φ 12.0 CB | 12.5 ± 0.50 | 0.20 ± 0.05 | ≤ 6.0 | 0.40 ± 0.10 | 100 | 10 | 46 × 46 × 31 | 6.2 ~ 11.0 |
| 3/4 | Φ 18.0 CB | 18.5 ± 0.50 | 0.22 ± 0.05 | ≤ 9.0 | 0.42 ± 0.10 | 100 | 7 | 46 × 46 × 29.5 | 9.3 ~ 17.0 |
| 1 | Φ 25.0 CB | 25.5 ± 0.50 | 0.25 ± 0.05 | ≤ 12.5 | 0.45 ± 0.10 | 50 | 6 | 46 × 46 × 31 | 12.5 ~ 25.5 |



Product Introduction

Non Flame-retardant Heat Shrinkable Tubes are made from good quality high polymer through electronic accelerator radiation and continuous expansion after developed in shape. Products hold advantages of soft, transparent, brightly-colored, fast contraction, performance stability and so on. Widely applied for connecting wires where flame-retardant properties are not needed, for example Wiring-end, joints protection; Fitness equipment parts and components and steel structural surface protection; Agricultural machinery and household handrails the surface protection of mechanical handrails, protective cradles, decoration and lighting, and so on.

Characteristics

1. Temperature rang: $-55^{\circ}\text{C} \sim +105^{\circ}\text{C}$;
2. Minimum shrink temperature: 70°C ; complete shrink temperature: 105°C ;
3. Soft, insulated, fast contraction, brightly-colored
4. User-friendly, using oven and hot air guns to heat could shrink;
5. Shrink ratio: 2:1, Longitudinal shrinkage ratio: $\leq 8\%$;
6. RoHS compliant.

Standard color: Clear (Other color available upon request.)

Technical Data:

| Property | Test Method | Standard |
|----------------------------|-------------|-------------------------|
| Tensile Strength, MPa | GB/T1040 | ≥ 10.4 |
| Elongation at Break, % | GB/T1040 | ≥ 200 |
| Dielectric Strength, kV/mm | GB/T1408 | ≥ 15 |
| Volume Resistance | GB/T1410 | $\geq 1 \times 10^{14}$ |

Specification:

| Size (mm) | As Supplied (mm) | | After Supplied (mm) | | Standard Package | | | Application Range (mm) |
|-----------|------------------|--------------|---------------------|--------------|------------------|--------------|---------------|------------------------|
| | I.D. | Average W.T. | I.D. | Average W.T. | M/spool | Spool/carton | Specification | |
| Φ0.8 | 1.0±0.2 | 0.15±0.05 | ≤0.50 | 0.22±0.10 | 200 | 23 | 31×31×44.5 | 0.6~0.8 |
| Φ1.0 | 1.5±0.3 | 0.15±0.05 | ≤0.65 | 0.28±0.10 | 200 | 16 | 31×31×44.5 | 0.75~0.9 |
| Φ1.5 | 2.0±0.3 | 0.18±0.05 | ≤0.85 | 0.32±0.10 | 200 | 12 | 31×31×44.5 | 0.95~1.4 |
| Φ2.0 | 2.5±0.3 | 0.18±0.05 | ≤1.00 | 0.35±0.10 | 200 | 15 | 46×46×44.5 | 1.1~1.8 |
| Φ2.5 | 3.0±0.3 | 0.18±0.05 | ≤1.30 | 0.38±0.10 | 200 | 13 | 46×46×44.5 | 1.35~2.3 |
| Φ3.0 | 3.5±0.4 | 0.18±0.05 | ≤1.50 | 0.40±0.10 | 200 | 11 | 46×46×44.5 | 1.6~2.7 |
| Φ3.5 | 4.0±0.4 | 0.22±0.05 | ≤1.80 | 0.42±0.10 | 200 | 9 | 46×46×44.5 | 1.85~3.2 |
| Φ4.0 | 4.5±0.4 | 0.25±0.05 | ≤2.00 | 0.45±0.10 | 200 | 7 | 46×46×44.5 | 2.1~3.6 |
| Φ4.5 | 5.0±0.4 | 0.25±0.05 | ≤2.30 | 0.50±0.10 | 200 | 10 | 46×46×44.5 | 2.35~4.0 |
| Φ5.0 | 5.5±0.4 | 0.25±0.05 | ≤2.5 | 0.55±0.10 | 100 | 9 | 46×46×44.5 | 2.6~4.5 |
| Φ6.0 | 6.5±0.4 | 0.28±0.05 | ≤3.0 | 0.55±0.10 | 100 | 7 | 46×46×44.5 | 3.1~5.4 |
| Φ7.0 | 7.5±0.4 | 0.28±0.05 | ≤3.5 | 0.55±0.10 | 100 | 14 | 46×46×31 | 3.7~6.3 |
| Φ8.0 | 8.5±0.5 | 0.28±0.05 | ≤4.0 | 0.60±0.10 | 100 | 13 | 46×46×31 | 4.2~7.2 |
| Φ9.0 | 9.5±0.5 | 0.30±0.08 | ≤4.5 | 0.60±0.10 | 100 | 12 | 46×46×31 | 4.7~8.0 |
| Φ10 | 10.5±0.5 | 0.30±0.08 | ≤5.0 | 0.60±0.10 | 100 | 11 | 46×46×31 | 5.2~9.0 |
| Φ11 | 11.5±0.5 | 0.30±0.08 | ≤5.5 | 0.60±0.10 | 100 | 11 | 46×46×31 | 5.7~10 |
| Φ12 | 12.5±0.5 | 0.30±0.08 | ≤6.0 | 0.60±0.10 | 100 | 10 | 46×46×31 | 6.2~11 |
| Φ13 | 13.5±0.5 | 0.35±0.10 | ≤6.5 | 0.65±0.10 | 100 | 9 | 46×46×29.5 | 6.7~12 |
| Φ14 | 14.5±0.5 | 0.35±0.10 | ≤7.0 | 0.65±0.10 | 100 | 9 | 46×46×31 | 7.3~13 |
| Φ15 | 15.5±0.6 | 0.40±0.12 | ≤7.5 | 0.70±0.10 | 100 | 8 | 46×46×29.5 | 7.8~14 |
| Φ16 | 17.0±0.6 | 0.40±0.12 | ≤8.0 | 0.70±0.10 | 100 | 8 | 46×46×31 | 8.3~15 |
| Φ17 | 17.5±0.6 | 0.40±0.12 | ≤8.5 | 0.70±0.10 | 100 | 7 | 46×46×29.5 | 8.8~16 |
| Φ18 | 19.0±0.7 | 0.40±0.15 | ≤9.0 | 0.80±0.15 | 100 | 7 | 46×46×29.5 | 9.3~17 |
| Φ20 | 22.0±0.7 | 0.40±0.15 | ≤10.0 | 0.80±0.15 | 100 | 6 | 46×46×29.5 | 10.4~19 |
| Φ22 | 24.0±0.7 | 0.40±0.15 | ≤11.0 | 0.80±0.15 | 100 | 6 | 46×46×31 | 11.4~21 |
| Φ25 | 26.0±0.7 | 0.55±0.15 | ≤12.5 | 0.90±0.15 | 100 | 6 | 46×46×31 | 12.8~24 |
| Φ28 | 29.0±0.7 | 0.55±0.15 | ≤14.0 | 0.90±0.15 | 50 | 5 | 46×46×29.5 | 14.4~29 |
| Φ30 | 31.5±0.7 | 0.55±0.15 | ≤15.0 | 0.95±0.15 | 50 | 5 | 46×46×31 | 16~29 |
| Φ35 | 36.5±0.7 | 0.55±0.15 | ≤17.5 | 1.00±0.15 | 50 | 4 | 46×46×29.5 | 18~34 |
| Φ40 | 41.5±0.7 | 0.55±0.15 | ≤20.0 | 1.00±0.15 | 50 | 4 | 46×46×31 | 21~39 |
| Φ45 | 46.0±0.7 | 0.55±0.15 | ≤22.5 | 1.00±0.15 | 25 | 5 | 31×31×40.5 | 23~44 |
| Φ50 | 51.0±0.7 | 0.55±0.15 | ≤25.0 | 1.00±0.15 | 25 | 5 | 46×46×44.5 | 26~49 |



Product Introduction:

The products is manufactured by special recipes and techniques, excellent wear-resistant performance, highlights of physical, chemical and electrical performance, could be widely used for insulation of beams and joints in the fields of military, aerospace and precision instruments, and other areas beams and connecting pieces of insulation, etc.

Characteristics:

1. Flame-retardant
2. Good resistance to common fluids and solvents;
3. Conforms to UL224 135 °C and AMS-DTL-23053/5 the CLASS 1standard;
4. Minimum complete shrink temperature: 120 °C
5. Operating temperature: -55 °C ~ +135 °C
6. Shrink ratio 2:1,3:1
7. RoHS compliant.

Standard color: Black (Other color available upon request.)

Technical Data:

| Property | Test Method | Standart |
|------------------------|-------------|--------------------------|
| Tensile Strength (MPa) | ASTM D638 | ≥ 10.4MPa |
| Elongation at Break | ASTM D638 | ≥ 200% |
| Longitudinal shrinkage | UL224 | ≤ ± 5% |
| Dielectric Strength | ASTM D150 | ≥ 15kV/mm |
| Volume Resistance | ASTM D876 | ≥ 10 ¹¹ Ω .cm |
| Water Absorption | ASTM D570 | ≤ 0.5% |
| Copper stability | UL224 | No corrosion |

3:1 135°C Environment friendly flame-retardant heat shrinkable tube specification RSFR-135G(3X)

| Size (mm) | As Supplied I.D.(mm) | After Supplied I.D.(mm) | After Recovered Average W.T.(mm) | Standard Package |
|-----------|----------------------|-------------------------|----------------------------------|------------------|
| 1.5/0.5 | >1.5 | ≤0.5 | 0.5 ± 0.1 | 200meter/spool |
| 3.0/1.0 | >3.0 | ≤1.0 | 0.65 ± 0.1 | 200meter/spool |
| 4.5/1.5 | >4.5 | ≤1.0 | 0.65 ± 0.1 | 100meter/spool |
| 6.0/2.0 | >6.0 | ≤2.0 | 0.75 ± 0.1 | 100meter/spool |
| 9.0/3.0 | >9.0 | ≤3.0 | 0.95 ± 0.15 | 50meter/spool |
| 12.0/4.0 | >12.0 | ≤4.0 | 1.1 ± 0.15 | 50meter/spool |
| 15.0/5.0 | >15.0 | ≤5.0 | 1.15 ± 0.15 | 50meter/spool |
| 18.0/6.0 | >18.0 | ≤6.0 | 1.25 ± 0.15 | 50meter/spool |
| 24.0/8.0 | >24 | ≤8.0 | 1.5 ± 0.20 | 25meter/spool |
| 30.0/10.0 | >30 | ≤10.0 | 1.7 ± 0.20 | 1.22meter/pc |
| 39.0/13.0 | >39 | ≤13.0 | 1.9 ± 0.20 | 1.22meter/pc |
| 50/16 | >50 | ≤16 | 2.5 ± 0.20 | 1meter/pc |
| 60/20 | >60 | ≤20 | 2.6 ± 0.20 | 1meter/pc |
| 70/23 | >70 | ≤23 | 2.6 ± 0.20 | 1meter/pc |
| 80/26 | >80 | ≤26 | 2.8 ± 0.20 | 1meter/pc |
| 90/30 | >90 | ≤30 | 2.8 ± 0.20 | 1meter/pc |
| 100/33 | >100 | ≤33 | 3.0 ± 0.20 | 1meter/pc |

2:1 135°C Environment friendly flame-retardant heat shrinkable tube specification RSFR-135G(2X)

| Size | | As Supplied I.D.(minimum) (mm) | After Recovered | | Standard Package (m/spool) |
|-------|------|-------------------------------------|---------------------|-------------|----------------------------|
| | | | Max. I.D. (mm) | W.T.(mm) | |
| Inch | mm | | | | |
| 3/64 | Φ0.8 | 1.2 | 0.6 | 0.40 ± 0.08 | 200 |
| 1/16 | Φ1.0 | 1.6 | 0.8 | 0.43 ± 0.08 | 200 |
| 3/32 | Φ2.0 | 2.4 | 1.2 | 0.51 ± 0.08 | 200 |
| 1/8 | Φ3.0 | 3.2 | 1.6 | 0.51 ± 0.08 | 200 |
| 3/16 | Φ4.5 | 4.8 | 2.4 | 0.51 ± 0.08 | 100 |
| 1/4 | Φ6.0 | 6.4 | 3.2 | 0.64 ± 0.08 | 100 |
| 3/8 | Φ9.0 | 9.5 | 4.8 | 0.64 ± 0.08 | 100 |
| 1/2 | Φ12 | 12.7 | 6.4 | 0.64 ± 0.08 | 50 |
| 5/8 | Φ16 | 16.0 | 8.0 | 0.76 ± 0.08 | 50 |
| 3/4 | Φ18 | 19.1 | 9.5 | 0.76 ± 0.08 | 50 |
| 1 | Φ25 | 25.4 | 12.7 | 0.89 ± 0.12 | 50 |
| 1-1/2 | Φ40 | 38.1 | 19.1 | 1.02 ± 0.12 | 50 |
| 2 | Φ50 | 50.8 | 25.4 | 1.27 ± 0.12 | 25 |
| 3 | Φ80 | 76.2 | 38.1 | 1.27 ± 0.12 | 25 |
| 4 | Φ100 | 101.6 | 50.8 | 1.40 ± 0.20 | 25 |



Product Introduction:

This product is made from Cross-Linked Halogen Free Flame-retardant Polyolefin material.

It supplies mechanical and insulating protection for bundles wires.

Its raw material is based on Halogen Free Environment friendly series. It don't include unwholesome Eight Bad Elements, PBB,PBDE and other substances, this product is the best products to replace PVC material.

1. Operating Temperature: -45°C ~ 125°C;
2. RoHS compliant.

Available Color: Black(Other color available upon request.)

Technical Data:

| Performance | Test Method | Standard |
|----------------------------|-------------|--------------------|
| Tensile Strength(MPa) | ASTM D2671 | ≥ 10.4 |
| Elongation(%) | ASTM D2671 | ≥ 200 |
| Volume resistance(| ASTM D876 | ≥ 10 ¹¹ |
| Flammability | UI224 | Self extinct |
| Copper corrosion | UI224 | PASS |
| Water corrosion | ASTM D570 | ≤ 0.5 |
| Dielectric strength(kv/mm) | GB/1408 | ≥ 15 |

Specification:

| Size (AWG) | I.D. (mm) | W.T. (mm) | Standard(M/Spool) |
|--------------|--------------|-------------|-------------------|
| AWG18 | 1.00 ± 0.10 | 0.40 ± 0.06 | 200 |
| AWG16 | 1.30 ± 0.10 | 0.40 ± 0.06 | 200 |
| AWG14 | 1.65 ± 0.10 | 0.40 ± 0.06 | 200 |
| AWG12 | 2.10 ± 0.15 | 0.40 ± 0.06 | 200 |
| AWG10 | 2.60 ± 0.15 | 0.50 ± 0.08 | 200 |
| AWG8 | 3.30 ± 0.15 | 0.50 ± 0.08 | 200 |
| AWG6 | 4.10 ± 0.20 | 0.50 ± 0.08 | 100 |
| AWG4 | 5.20 ± 0.20 | 0.50 ± 0.08 | 100 |
| AWG2 | 6.50 ± 0.20 | 0.50 ± 0.08 | 100 |
| AWG0 | 8.30 ± 0.30 | 0.50 ± 0.08 | 100 |
| 3/8" | 9.50 ± 0.40 | 0.50 ± 0.08 | 100 |
| 7/16" | 11.10 ± 0.40 | 0.50 ± 0.08 | 100 |
| 1/2" | 12.70 ± 0.40 | 0.50 ± 0.08 | 100 |



Product Introduction:

Yellow/Green Heat Shrinkable tube is made from excellent yellow, green polyethylene material by special method. This products has excellences of soft, flammability, fast shrinking, bright color stand, stable performance. RoHS standard etc. the tube is universally applied to wire or cable middle earth wire marks, special wire cable or conduit marks etc.

Characteristics:

1. Operating Temperature: -55°C ~ 125°C;
2. Shrink Ratio: 2:1, 3:1;
3. Shrink Temperature: Start at 70°C; shrunk totally at 120°C, Lognitudinal Shrink ratio ≤ 8%;
4. Soft, high flammability, bright stable color;
5. Convenient usage, heating shrink by oven or hot gun.
6. RoHS compliant.

Standard colors: Yellow & Green striped

Technical Data:

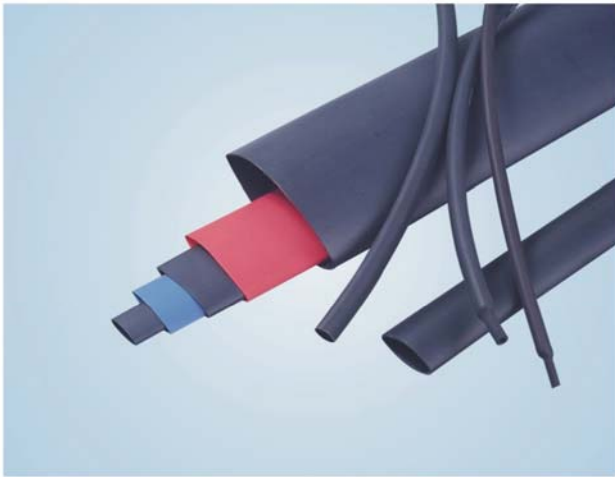
| Property | Test Method | Standard |
|------------------------------|-------------------|------------------------|
| Tensile Strength(MPa) | GB/T1040 | ≥ 10.4 |
| Elongation(%) | GB/T1040 | ≥ 200 |
| Dielectric strength(kv/mm) | GB/T1408 | ≥ 15 |
| Volume resistance(| GB/T1410 | ≥ 1 × 10 ¹⁴ |
| Tensile strength after Aging | UL224 158°CX168hr | ≥ 7.3 |
| Elongation after Aging | UL224 158°CX168hr | ≥ 100 |
| Heat shock | UL224 250°CX4hr | No cracking |
| Flammability | UL224 | VW-1 |

3:1 Yellow/Green Heat shrinkable tube product specification W-1-HL(3X)

| Size | | As supplied | After recovered | | Package |
|-------|------|-------------|-----------------|-------------|-----------|
| Inch | mm | Min I.D. | Max I.D.(mm) | W.T.(mm) | (M/Spool) |
| 1/8 | 3.2 | 3.2 | 1.0 | 0.60 ± 0.15 | 200 |
| 3/16 | 4.8 | 4.8 | 1.5 | 0.65 ± 0.15 | 100 |
| 1/4 | 6.4 | 6.4 | 2.0 | 0.70 ± 0.15 | 100 |
| 3/8 | 9.5 | 9.5 | 3.0 | 0.80 ± 0.15 | 1.22 |
| 1/2 | 12.7 | 12.7 | 4.0 | 0.95 ± 0.20 | 1.22 |
| 3/4 | 19.1 | 19.1 | 6.0 | 1.10 ± 0.20 | 1.22 |
| 1 | 25.4 | 25.4 | 8.0 | 1.25 ± 0.20 | 1.22 |
| 1 1/2 | 39 | 38.1 | 13 | 1.40 ± 0.20 | 1.22 |

2:1 Yellow/Green Heat shrinkable tube product specification W-1-HL(2X)

| Size (mm) | As supplied size(mm) | | After recovered Size(mm) | | Package | | | Range (mm) |
|-----------|----------------------|-------------|--------------------------|-------------|-----------|--------------|----------------|------------|
| | I.D. | W.T. | I.D. | W.T. | (M/Spool) | (Spools/Ctn) | Ctn size(cm) | |
| Φ1.0 | 1.5 ± 0.3 | 0.15 ± 0.08 | ≤ 0.65 | 0.28 ± 0.10 | 200 | 16 | 31 × 31 × 44.5 | 0.75 ~ 0.9 |
| Φ1.5 | 2.0 ± 0.3 | 0.18 ± 0.08 | ≤ 0.85 | 0.32 ± 0.10 | 200 | 12 | 31 × 31 × 44.5 | 0.95 ~ 1.4 |
| Φ2.0 | 2.5 ± 0.3 | 0.18 ± 0.08 | ≤ 1.00 | 0.40 ± 0.10 | 200 | 15 | 46 × 46 × 44.5 | 1.1 ~ 1.8 |
| Φ2.5 | 3.0 ± 0.3 | 0.18 ± 0.08 | ≤ 1.30 | 0.40 ± 0.10 | 200 | 13 | 46 × 46 × 44.5 | 1.35 ~ 2.3 |
| Φ3.0 | 3.5 ± 0.4 | 0.18 ± 0.08 | ≤ 1.50 | 0.40 ± 0.10 | 200 | 11 | 46 × 46 × 44.5 | 1.6 ~ 2.7 |
| Φ3.5 | 4.0 ± 0.4 | 0.22 ± 0.08 | ≤ 1.80 | 0.42 ± 0.10 | 200 | 9 | 46 × 46 × 44.5 | 1.85 ~ 3.2 |
| Φ4.0 | 4.5 ± 0.4 | 0.25 ± 0.08 | ≤ 2.00 | 0.45 ± 0.10 | 200 | 7 | 46 × 46 × 44.5 | 2.1 ~ 3.6 |
| Φ4.5 | 5.0 ± 0.4 | 0.25 ± 0.08 | ≤ 2.30 | 0.50 ± 0.10 | 100 | 10 | 46 × 46 × 44.5 | 2.35 ~ 4.0 |
| Φ5.0 | 5.5 ± 0.4 | 0.25 ± 0.08 | ≤ 2.5 | 0.55 ± 0.10 | 100 | 9 | 46 × 46 × 44.5 | 2.6 ~ 4.5 |
| Φ6.0 | 6.5 ± 0.4 | 0.28 ± 0.08 | ≤ 3.0 | 0.55 ± 0.10 | 100 | 7 | 46 × 46 × 44.5 | 3.1 ~ 5.4 |
| Φ7.0 | 7.5 ± 0.4 | 0.28 ± 0.08 | ≤ 3.5 | 0.55 ± 0.10 | 100 | 14 | 46 × 46 × 31 | 3.7 ~ 6.3 |
| Φ8.0 | 8.5 ± 0.5 | 0.28 ± 0.08 | ≤ 4.0 | 0.60 ± 0.10 | 100 | 13 | 46 × 46 × 31 | 4.2 ~ 7.2 |
| Φ9.0 | 9.5 ± 0.5 | 0.30 ± 0.10 | ≤ 4.5 | 0.60 ± 0.10 | 100 | 12 | 46 × 46 × 31 | 4.7 ~ 8.0 |
| Φ10 | 10.5 ± 0.5 | 0.30 ± 0.10 | ≤ 5.0 | 0.60 ± 0.10 | 100 | 11 | 46 × 46 × 31 | 5.2 ~ 9.0 |
| Φ11 | 11.5 ± 0.5 | 0.30 ± 0.10 | ≤ 5.5 | 0.60 ± 0.10 | 100 | 11 | 46 × 46 × 31 | 5.7 ~ 10 |
| Φ12 | 12.5 ± 0.5 | 0.30 ± 0.10 | ≤ 6.0 | 0.65 ± 0.10 | 100 | 10 | 46 × 46 × 31 | 6.2 ~ 11 |
| Φ13 | 13.5 ± 0.5 | 0.35 ± 0.12 | ≤ 6.5 | 0.65 ± 0.10 | 100 | 9 | 46 × 46 × 29.5 | 6.7 ~ 12 |
| Φ14 | 14.5 ± 0.5 | 0.35 ± 0.12 | ≤ 7.0 | 0.70 ± 0.10 | 100 | 9 | 46 × 46 × 31 | 7.3 ~ 13 |
| Φ15 | 15.5 ± 0.6 | 0.40 ± 0.12 | ≤ 7.5 | 0.75 ± 0.10 | 100 | 8 | 46 × 46 × 29.5 | 7.8 ~ 14 |
| Φ16 | 17.0 ± 0.6 | 0.40 ± 0.12 | ≤ 8.0 | 0.75 ± 0.10 | 100 | 8 | 46 × 46 × 31 | 8.3 ~ 15 |
| Φ17 | 17.5 ± 0.6 | 0.40 ± 0.12 | ≤ 8.5 | 0.75 ± 0.10 | 100 | 7 | 46 × 46 × 29.5 | 8.8 ~ 16 |
| Φ18 | 19.0 ± 0.7 | 0.40 ± 0.15 | ≤ 9.0 | 0.80 ± 0.15 | 100 | 7 | 46 × 46 × 29.5 | 9.3 ~ 17 |
| Φ20 | 22.0 ± 0.7 | 0.40 ± 0.15 | ≤ 10.0 | 0.82 ± 0.15 | 100 | 6 | 46 × 46 × 29.5 | 10.4 ~ 19 |
| Φ22 | 24.0 ± 0.7 | 0.40 ± 0.15 | ≤ 11.0 | 0.82 ± 0.15 | 100 | 6 | 46 × 46 × 31 | 11.4 ~ 21 |
| Φ25 | 26.0 ± 0.7 | 0.55 ± 0.15 | ≤ 12.5 | 1.00 ± 0.15 | 50 | 6 | 46 × 46 × 31 | 12.8 ~ 24 |
| Φ28 | 29.0 ± 0.7 | 0.55 ± 0.15 | ≤ 14.0 | 1.00 ± 0.15 | 50 | 5 | 46 × 46 × 29.5 | 14.4 ~ 29 |
| Φ30 | 31.5 ± 0.7 | 0.55 ± 0.15 | ≤ 15.0 | 1.05 ± 0.15 | 50 | 5 | 46 × 46 × 31 | 16 ~ 29 |
| Φ35 | 36.5 ± 0.7 | 0.55 ± 0.15 | ≤ 17.5 | 1.15 ± 0.15 | 50 | 4 | 46 × 46 × 29.5 | 18 ~ 34 |
| Φ40 | 41.5 ± 0.7 | 0.55 ± 0.15 | ≤ 20.0 | 1.20 ± 0.15 | 50 | 4 | 46 × 46 × 31 | 21 ~ 39 |
| Φ45 | 46.0 ± 0.7 | 0.55 ± 0.15 | ≤ 22.5 | 1.20 ± 0.15 | 25 | 5 | 31 × 31 × 40.5 | 23 ~ 44 |
| Φ50 | 51.0 ± 0.7 | 0.55 ± 0.15 | ≤ 25.0 | 1.20 ± 0.15 | 25 | 5 | 46 × 46 × 44.5 | 26 ~ 49 |
| Φ60 | ≥ 60 | 0.60 ± 0.15 | ≤ 30.0 | 1.50 ± 0.20 | 25 | 4 | 31 × 31 × 42 | 35 ~ 55 |
| Φ70 | ≥ 70 | 0.65 ± 0.15 | ≤ 35.0 | 1.60 ± 0.20 | 25 | 3 | 31 × 31 × 37 | 40 ~ 65 |
| Φ80 | ≥ 80 | 0.70 ± 0.15 | ≤ 40.0 | 1.70 ± 0.20 | 25 | 3 | 31 × 31 × 42 | 45 ~ 75 |
| Φ90 | ≥ 90 | 0.75 ± 0.15 | ≤ 45.0 | 1.90 ± 0.20 | 25 | 2 | 31 × 31 × 32 | 50 ~ 88.0 |
| Φ100 | ≥ 100 | 0.80 ± 0.20 | ≤ 50.0 | 2.10 ± 0.20 | 25 | 2 | 31 × 31 × 34.5 | 55 ~ 95.0 |
| Φ120 | ≥ 120 | 0.85 ± 0.20 | ≤ 60.0 | 2.20 ± 0.20 | 15 | 2 | 31 × 31 × 40.5 | 65 ~ 115.0 |
| Φ150 | ≥ 150 | 0.90 ± 0.20 | ≤ 75.0 | 2.20 ± 0.20 | 15 | 2 | 31 × 31 × 49.5 | 80 ~ 145.0 |
| Φ180 | ≥ 180 | 0.95 ± 0.30 | ≤ 90.0 | 2.30 ± 0.20 | 15 | 1 | 31 × 31 × 31 | 95 ~ 175.0 |



Product Introduction:

The product is made from cross-linked polyethylene material and environment friendly hot-melt Adhesive. It has the excellence of soft, airproof, fireproof etc. It is universally applied to provide water proof, airproof, anti-corrosion protection to metal wire, pump, repairing electrical wire, cable, and contacting wire.

Characteristics:

1. Operating Temperature: -45°C ~ 125°C;
2. Shrink Temperature: 115°C;
3. Inner layer glue melt temperature: 70-90°C
4. Shrink Ratio: 2:1, Lognitudinal Shrink ratio ≤ 8%;
5. Waterproof, RoHS compliant;

Standard colors: Black (Other color available upon request.)

Technical Data:

| Property | Test Method | Standard |
|------------------------------|--------------------|----------------------|
| Tensile Strength(MPa) | ASTMD 2671 | ≥ 10.4 |
| Elongation(%) | ASTMD 2671 | ≥ 300 |
| Tensile strength after Aging | UL224 158°C X 168h | ≥ 7.3 |
| Elongation after Aging | UL224 158°C X 168h | ≥ 200 |
| Dielectric strength(kv/mm) | IEC 243 | ≥ 15 |
| Volume resistance | IEC 93 | ≥ 1X10 ¹⁴ |

Hot Melting Adhesive Property

| Property | Test Method | Standard |
|----------------------|-------------|----------|
| Water Corrosion | ASTM-D570 | <0.2% |
| Soft Point | ASTM-E8 | 95°C |
| Racking Strength(PE) | ASTM-D1000 | 120N/25m |
| Racking Strength(AL) | ASTM-D1000 | 80N/25m |

Specification:

| Size | | As supplied Min I.D. (mm) | After recovered | | | Package M/Spool |
|-------|--------|---------------------------------|-----------------|----------------|---------------|--------------------|
| Inch | mm | | Max I.D.(mm) | Total W.T.(mm) | Glue W.T.(mm) | |
| 1/16 | Φ 1.6 | 1.6 | 0.8 | 0.60 ± 0.15 | 0.3 ± 0.1 | 200 |
| 3/32 | Φ 2.4 | 2.4 | 1.2 | 0.70 ± 0.15 | 0.35 ± 0.1 | 200 |
| 1/8 | Φ 3.2 | 3.2 | 1.6 | 0.70 ± 0.15 | 0.35 ± 0.1 | 200 |
| 3/16 | Φ 4.8 | 4.8 | 2.4 | 0.80 ± 0.15 | 0.4 ± 0.1 | 100 |
| 1/4 | Φ 6.4 | 6.4 | 3.2 | 0.80 ± 0.15 | 0.4 ± 0.1 | 100 |
| 5/16 | Φ 7.9 | 7.9 | 3.9 | 0.90 ± 0.15 | 0.45 ± 0.1 | 100 |
| 3/8 | Φ 9.5 | 9.5 | 4.8 | 0.90 ± 0.15 | 0.45 ± 0.1 | 1.22 |
| 1/2 | Φ 12.7 | 12.7 | 6.4 | 0.95 ± 0.20 | 0.45 ± 0.1 | 1.22 |
| 5/8 | Φ 15.9 | 15.9 | 7.9 | 0.95 ± 0.20 | 0.45 ± 0.1 | 1.22 |
| 3/4 | Φ 19.1 | 19.1 | 9.5 | 1.0 ± 0.20 | 0.45 ± 0.1 | 1.22 |
| 1 | Φ 25.4 | 25.4 | 12.7 | 1.1 ± 0.20 | 0.50 ± 0.1 | 1.22 |
| 1 1/4 | Φ 31.8 | 31.8 | 15 | 1.15 ± 0.20 | 0.50 ± 0.1 | 1.22 |
| 1 1/2 | Φ 38.1 | 38.1 | 19 | 1.25 ± 0.20 | 0.50 ± 0.1 | 1.22 |
| 1 3/4 | Φ 44.5 | 44.5 | 22 | 1.35 ± 0.20 | 0.55 ± 0.1 | 1.22 |
| 2 | Φ 50.8 | 50.8 | 25.4 | 1.5 ± 0.25 | 0.60 ± 0.1 | 1.22 |



Product Introduction:

Adopt Flame retardant, cross-linked polyolefin, with an inner coating of hot-melt adhesive and an outer layer that shrinks to provide electrical and mechanical protection. Insulates and seals a variety of electrical wirings.

Characteristics:

1. Operating Temperature: $-45^{\circ}\text{C} \sim +125^{\circ}\text{C}$;
2. Shrink Temperature: Start at 70°C ; shrunk totally at 120°C ;
3. Inner layer glue melt temperature: $70 \sim 90^{\circ}\text{C}$
4. Shrink ratio: 3:1, 4:1, Lognitudinal Shrink ratio $\leq 8\%$;
5. Waterproof, RoHS compliant;

Standard color: Black(Other color available upon request.)

Technical Data:

| Property | Test Method | Stantard |
|-------------------------------------|------------------|-------------------------|
| Tensile Strength (MPa) | ASTMD 2671 | ≥ 12 |
| Elongation at Break | ASTMD 2671 | ≥ 300 |
| Tensile Strength after aging (MPa) | UL224 158°CX168h | ≥ 7.3 |
| Elongation at Break after aging (%) | UL224 158°CX168h | ≥ 200 |
| Dielectric Strength | IEC243 | ≥ 15 |
| Volume Resistance | IEC93 | $\geq 1 \times 10^{14}$ |

Hot Melting Adhesive Property

| Property | Test Method | Stantard |
|-----------------------|-------------|----------------------|
| Water Absorption | ASTM-D570 | $< 0.2\%$ |
| Vicat Softening Point | ASTM-E8 | 95°C |
| Peel Strength(PE) | ASTM-D1000 | 120N/25m |
| Peel Strength(AL) | ASTM-D1000 | 80N/25m |

W-1-SB (4X) Specification:

| Size | | As supplied Min. I.D. | After Recovered(mm) | | | Standard Package m/spool or m/pc |
|-------------|------|--------------------------|---------------------|----------------|-----------------------|---|
| mm | Inch | | Max. I.D. | Total W.T. | Adhesive thickness | |
| $\Phi 4.0$ | — | 4.0 | 1.0 | 1.0 ± 0.15 | 0.4 ± 0.15 | 200 |
| $\Phi 6.0$ | — | 6.0 | 1.5 | 1.1 ± 0.15 | 0.4 ± 0.15 | 100 |
| $\Phi 8.0$ | — | 8.0 | 2.0 | 1.5 ± 0.15 | 0.5 ± 0.15 | 50 |
| $\Phi 12.0$ | — | 12.0 | 3.0 | 1.7 ± 0.15 | 0.5 ± 0.15 | 1.22 |
| $\Phi 16.0$ | — | 16.0 | 4.0 | 2.0 ± 0.15 | 0.6 ± 0.15 | 1.22 |
| $\Phi 20.0$ | — | 20.0 | 5.0 | 2.3 ± 0.25 | 0.6 ± 0.15 | 1.22 |
| $\Phi 24.0$ | — | 24.0 | 6.0 | 2.5 ± 0.25 | 0.6 ± 0.15 | 1.22 |
| $\Phi 32.0$ | — | 32.0 | 8.0 | 2.8 ± 0.30 | 0.7 ± 0.15 | 1.22 |
| $\Phi 52.0$ | — | 52.0 | 13 | 3.0 ± 0.30 | 0.7 ± 0.15 | 1.22 |

W-1-SB (3X) Specification:

| Size | | As supplied(mm) | | After Recovered(mm) | | | Standard package m/spool m/piece | | | Application range (mm) |
|-------|-------------|-----------------|-----------------|---------------------|-----------------|-----------------------|----------------------------------|-------------------|----------------------------|-----------------------------|
| Inch | (mm) | Min. I.D. | Average W.T. | Max. I.D. | Total W.T. | Adhesive thickness | Meter/ spool | Spools/ carton | Carton Size (cm) | |
| 1/8 | $\Phi 3.2$ | ≥ 3.2 | 0.30 ± 0.08 | ≤ 1.00 | 0.95 ± 0.08 | 0.35 ± 0.08 | 200 | 10 | $46 \times 46 \times 44.5$ | 1.0 ~ 3.1 |
| 3/16 | $\Phi 4.8$ | ≥ 4.8 | 0.46 ± 0.08 | ≤ 1.60 | 1.10 ± 0.08 | 0.40 ± 0.08 | 100 | 10 | $46 \times 46 \times 44.5$ | 1.8 ~ 4.6 |
| 1/4 | $\Phi 6.4$ | ≥ 6.4 | 0.50 ± 0.08 | ≤ 2.20 | 1.20 ± 0.08 | 0.45 ± 0.08 | 100 | 6 | $46 \times 46 \times 44.5$ | 2.4 ~ 6.4 |
| 5/16 | $\Phi 7.9$ | ≥ 7.9 | 0.52 ± 0.08 | ≤ 2.70 | 1.35 ± 0.08 | 0.50 ± 0.08 | 100 | 5 | $46 \times 46 \times 44.5$ | 2.9 ~ 7.7 |
| 3/8 | $\Phi 9.5$ | ≥ 9.5 | 0.55 ± 0.08 | ≤ 3.20 | 1.45 ± 0.08 | 0.50 ± 0.08 | Meter/bag | Bags/carton | Carton Size(cm) | 3.4 ~ 9.4 |
| | | | | | | | 61 | 6 | $130 \times 20 \times 16$ | |
| 1/2 | $\Phi 12.7$ | ≥ 12.7 | 0.68 ± 0.08 | ≤ 4.20 | 1.70 ± 0.08 | 0.50 ± 0.08 | 36.6 | 5 | $130 \times 20 \times 16$ | 4.4 ~ 12.5 |
| 5/8 | $\Phi 15.0$ | ≥ 15.0 | 0.70 ± 0.10 | ≤ 5.20 | 1.80 ± 0.10 | 0.55 ± 0.10 | 30.5 | 5 | $130 \times 20 \times 16$ | 5.4 ~ 14.8 |
| 3/4 | $\Phi 19.1$ | ≥ 19.1 | 0.76 ± 0.10 | ≤ 6.30 | 2.00 ± 0.10 | 0.55 ± 0.10 | 30.5 | 6 | $130 \times 20 \times 16$ | 6.5 ~ 18.8 |
| 1 | $\Phi 25.4$ | ≥ 25.4 | 0.78 ± 0.10 | ≤ 8.50 | 2.10 ± 0.10 | 0.55 ± 0.10 | 30.5 | 5 | $130 \times 20 \times 16$ | 8.8 ~ 25 |
| 1-1/4 | $\Phi 30.0$ | ≥ 30.0 | 0.80 ± 0.10 | ≤ 10.20 | 2.20 ± 0.10 | 0.60 ± 0.10 | 24.4 | 5 | $130 \times 20 \times 16$ | 10.5 ~ 30 |
| 1-1/2 | $\Phi 39.0$ | ≥ 39 | 0.85 ± 0.10 | ≤ 13.50 | 2.40 ± 0.10 | 0.60 ± 0.10 | 18.3 | 5 | $130 \times 20 \times 16$ | 14.0 ~ 39 |
| 2 | $\Phi 50.0$ | ≥ 50 | 0.95 ± 0.10 | ≤ 17.00 | 2.70 ± 0.10 | 0.70 ± 0.10 | 12.2 | 5 | $130 \times 20 \times 16$ | 17.5 ~ 49 |
| 5/2 | $\Phi 64$ | ≥ 64 | 0.95 ± 0.10 | ≤ 21.00 | 3.00 ± 0.15 | 0.70 ± 0.10 | 6.1 | 7 | $130 \times 20 \times 16$ | 22 ~ 62 |
| 3 | $\Phi 75$ | ≥ 76 | 1.00 ± 0.15 | ≤ 25.00 | 3.20 ± 0.15 | 1.00 ± 0.15 | 1.22 | — | $130 \times 40 \times 46$ | 26 ~ 72 |
| 7/2 | $\Phi 90$ | ≥ 90 | 1.00 ± 0.15 | ≤ 30.00 | 3.30 ± 0.15 | 1.00 ± 0.15 | 1.22 | — | $130 \times 40 \times 46$ | 32 ~ 88 |
| 4 | $\Phi 100$ | ≥ 100 | 1.20 ± 0.15 | ≤ 34.00 | 3.50 ± 0.15 | 1.20 ± 0.15 | 1.22 | — | $130 \times 40 \times 46$ | 36 ~ 90 |
| 5 | $\Phi 125$ | ≥ 125 | 1.20 ± 0.15 | ≤ 42.00 | 3.50 ± 0.15 | 1.20 ± 0.15 | 1.22 | — | $130 \times 40 \times 46$ | 44 ~ 125 |



Product Introduction:

1. Apply to electrical insulation and seal of wire or power cable joint, termination and component, and etc.
2. 4:1 shrink ratio could be applied to cover a wider range of joint and component.
3. Semi-rigid and high mechanical capability makes the tube provide excellent wearable protection for power cable joint, termination and other component.
4. The thick adhesive forms a fluid-proof and moisture-proof protective layer.
5. Operation temperature: $-45^{\circ}\text{C} \sim +125^{\circ}\text{C}$
6. Minimum shrink temperature: $+125^{\circ}\text{C}$
7. RoHS compliant, the outer layer is self-extincted.

Standard color: Black (Other color available upon request.)

Technical Data:

| Property | Test Method | Standard |
|--------------------------------|-------------|------------------------------|
| Tensile Strength (MPa) | ASTM D2671 | ≥ 14 |
| Elongation at Break | ASTM D2671 | ≥ 200 |
| Longitudinal shrink ratio | UL224 | $\leq \pm 10$ |
| Volume Resistance | ASTM D876 | $\geq 1 \times 10^{14}$ |
| Flame Resistance | UL224 | Outer layer is self-extinct. |
| Copper Stability 158°C, 168hrs | UL224 | Pass |
| Water Absorption | ASTM D570 | $\leq 0.5\%$ |

Hot Melting Adhesive Property

| Property | Test Method | Standard |
|-----------------------|-------------|----------------------|
| Water Absorption | ASTM-D570 | $< 0.2\%$ |
| Vicat Softening Point | ASTM-E8 | 95°C |
| Peel Strength(PE) | ASTM-D1000 | 120N/25m |
| Peel Strength(AL) | ASTM-D1000 | 80N/25m |

Specification:

| Size | | As supplied | After Recovered(mm) | | | Standard Length (m/pc) |
|-------------|------|-------------|---------------------|-----------------|--------------------|------------------------|
| mm | inch | Min. I.D. | Max. I.D. | Total W.T. | Adhesive thickness | |
| $\Phi 6.0$ | 1/4 | 6.0 | 1.27 | 1.30 ± 0.15 | 0.56 ± 0.15 | 1.22 |
| $\Phi 8.0$ | 5/16 | 8.0 | 1.65 | 1.65 ± 0.15 | 0.76 ± 0.15 | 1.22 |
| $\Phi 12.0$ | 1/2 | 12.0 | 2.41 | 2.00 ± 0.15 | 1.02 ± 0.15 | 1.22 |
| $\Phi 18.0$ | 3/4 | 18.0 | 4.45 | 2.50 ± 0.15 | 1.37 ± 0.15 | 1.22 |



Product Introduction:

Medium Wall Heat Shrinkable Tube is manufactured by co-extrusion polyolefin and environment friendly hot-melt adhesive. Designed to provide both insulation and sealing for protected articles. Both adhesive-lined and without adhesive are available.

Characteristics:

1. Electrical and communication cable joint and termination
2. Pipe anti-corrosion
3. Protection and sealing for mechanical equipment.
4. Physical protection and moisture sealing of high voltage air insulated connectors and lugs, such as lug connections to bus bars
5. Operating Temperature: -45°C~125°C
6. Shrinking Temperature: 125°C
7. RoHS compliant.

Standard Color: Black (Other color available upon request.)

Technical Data:

| Property | Test Method | Standard |
|---------------------------------|----------------------|------------------------|
| Tensile Strength, | ASTMD 2671 | ≥14MPa |
| Elongation, | ASTMD 2671 | ≥400% |
| Density | ASTMD 792 | 1.20g/cm ³ |
| Longitudinal shrinkage | UL 224 | ±10% |
| Elongation at break after aging | UI224 158°C X 168hrs | ≥300% |
| Heat resistance | UI224 225°C X 4hrs | No viscosity |
| Dielectric strength(kv/mm) | IEC 243 | ≥20KV/mm |
| Volume resistance | IEC 93 | ≥10 ¹⁴ Ω.cm |
| Water absorption | ASTM-D570 | <0.15% |

Hot Melting Adhesive Property

| Property | Test Method | Standard |
|----------------------|-------------|----------|
| Water absorption | ASTM-D570 | <0.2% |
| Intenerating point | ASTM-E8 | 95°C |
| Racking Strength(PE) | ASTM-D1000 | 120N/25m |
| Racking Strength(AL) | ASTM-D1000 | 80N/25m |

With adhesive Specification SBRSM

| Size (Mm) | I.D. Expanded (mm) | After Recovered | | | | Standard length (m/pc) |
|-----------|--------------------|-----------------|--------------------|-------------------------|----------------|------------------------|
| | | I.D.(mm) | Out layer W.T.(mm) | Adhesive Layer W.T.(mm) | Total W.T.(mm) | |
| 10.2/3.0 | ≥10.2 | ≤3.0 | 1.4±0.20 | 0.35±0.1 | 1.75±0.25 | 1.22 |
| 16/5.0 | ≥16 | ≤5.0 | 1.5±0.20 | 0.40±0.1 | 1.90±0.25 | 1.22 |
| 19.1/5.6 | ≥19.1 | ≤5.6 | 2.0±0.20 | 0.45±0.1 | 2.45±0.25 | 1.22 |
| 25/8 | ≥25 | ≤8 | 2.0±0.20 | 0.45±0.1 | 2.45±0.25 | 1.22 |
| 28/6 | ≥28 | ≤6 | 2.5±0.20 | 0.65±0.1 | 3.10±0.30 | 1.22 |
| 28/9 | ≥28 | ≤9 | 2.0±0.20 | 0.50±0.1 | 2.60±0.25 | 1.22 |
| 35/10.2 | ≥35 | ≤10.2 | 2.2±0.20 | 0.50±0.1 | 2.70±0.25 | 1.22 |
| 38.1/12 | ≥38.1 | ≤12 | 2.2±0.20 | 0.50±0.1 | 2.70±0.25 | 1.22 |
| 43.2/12.7 | ≥43.2 | ≤12.7 | 2.2±0.20 | 0.50±0.1 | 2.70±0.25 | 1.22 |
| 52.1/16 | ≥52.1 | ≤16 | 2.3±0.25 | 0.50±0.15 | 2.80±0.30 | 1.22 |
| 63/19 | ≥63 | ≤19 | 2.5±0.25 | 0.50±0.15 | 3.00±0.30 | 1.22 |
| 75/22 | ≥75 | ≤22 | 2.6±0.25 | 0.50±0.15 | 3.00±0.30 | 1.22 |
| 85/25 | ≥85 | ≤25 | 2.8±0.30 | 0.50±0.15 | 3.30±0.30 | 1.22 |
| 95/29 | ≥95 | ≤29 | 3.1±0.30 | 0.60±0.20 | 3.70±0.35 | 1.22 |
| 115/34 | ≥115 | ≤34 | 3.1±0.30 | 0.60±0.20 | 3.70±0.35 | 1.22 |
| 140/42 | ≥140 | ≤42 | 3.1±0.30 | 0.60±0.20 | 3.70±0.35 | 1.22 |

Without adhesive Specification RSFRM

| Size (Mm) | I.D. Expanded (mm) | After Recovered | | Standard length (m/pc) |
|-----------|--------------------|-----------------|-----------|------------------------|
| | | I.D.(mm) | W.T.(mm) | |
| 10.2/3.0 | ≥10.2 | ≤3.0 | 1.75±0.25 | 1.22 |
| 16/5 | ≥16 | ≤5.0 | 1.90±0.25 | 1.22 |
| 19.1/5.6 | ≥19.1 | ≤5.6 | 2.45±0.25 | 1.22 |
| 25/8 | ≥25 | ≤8 | 2.45±0.25 | 1.22 |
| 28/9 | ≥28 | ≤9 | 2.60±0.25 | 1.22 |
| 35/10.2 | ≥35 | ≤10.2 | 2.70±0.25 | 1.22 |
| 38.1/12 | ≥38.1 | ≤12 | 2.70±0.25 | 1.22 |
| 43.2/12.7 | ≥43.2 | ≤12.7 | 2.70±0.25 | 1.22 |
| 52.1/16 | ≥52.1 | ≤16 | 2.80±0.30 | 1.22 |
| 63/19 | ≥63 | ≤19 | 3.00±0.30 | 1.22 |
| 75/22 | ≥75 | ≤22 | 3.00±0.30 | 1.22 |
| 85/25 | ≥85 | ≤25 | 3.30±0.30 | 1.22 |
| 95/29 | ≥95 | ≤29 | 3.70±0.35 | 1.22 |
| 115/34 | ≥115 | ≤34 | 3.70±0.35 | 1.22 |
| 140/42 | ≥140 | ≤42 | 3.70±0.35 | 1.22 |



Product Introduction:

Heavy Wall Heat Shrinkable Tube is manufactured by co-extrusion polyolefin and environment friendly hot-melt adhesive. Designed to provide both insulation and sealing for protected articles. Both adhesive-lined and without adhesive are available.

Characteristics:

1. Electrical and communication cable joint and termination
2. Pipe anti-corrosion
3. Protection and sealing for mechanical equipment.
4. Operating Temperature: -45°C~125°C
5. Shrinking Temperature: 125°C
6. RoHS compliant.

Standard Color: Black(Other color available upon request.)

Technical Data:

| Property | Test Method | Standard |
|---------------------------------|----------------------|-------------------------|
| Tensile Strength | ASTMD 2671 | ≥14MPa |
| Elongation | ASTMD 2671 | ≥400% |
| Density | ASTMD 792 | 1.20g/cm ³ |
| Longitudinal shrinkage | UL 224 | ± 10% |
| Elongation at break after aging | UI224 158°C X 168hrs | ≥300% |
| Heat resistance | UI224 225°C X 4hrs | No viscosity |
| Dielectric strength(kv/mm) | IEC 243 | ≥20KV/mm |
| Volume resistance | IEC 93 | ≥10 ¹⁴ Ω .cm |
| Water absorption | ASTM-D570 | <0.15% |

HOT MELTING ADHESIVE PROPERTY

| Property | Test Method | Standard |
|----------------------|-------------|----------|
| Water absorption | ASTM-D570 | <0.2% |
| Intenerating point | ASTM-E8 | 95°C |
| Racking Strength(PE) | ASTM-D1000 | 120N/25m |
| Racking Strength(AL) | ASTM-D1000 | 80N/25m |

With adhesive Specification SBRW

| Size (mm) | I.D. Expanded (mm) | After Recovered | | | | Standard length (m/pc) |
|-----------|--------------------|-----------------|--------------------|-------------------------|----------------|------------------------|
| | | I.D.(mm) | Out layer W.T.(mm) | Adhesive Layer W.T.(mm) | Total W.T.(mm) | |
| 9/3 | ≥9 | ≤3 | 2.0 ± 0.20 | 0.35 ± 0.10 | 2.30 ± 0.25 | 1.22 |
| 13/4 | ≥13 | ≤4 | 2.4 ± 0.20 | 0.35 ± 0.10 | 2.75 ± 0.25 | 1.22 |
| 20/6 | ≥20 | ≤6 | 2.5 ± 0.20 | 0.40 ± 0.10 | 2.90 ± 0.25 | 1.22 |
| 28/9 | ≥28 | ≤9 | 2.5 ± 0.20 | 0.40 ± 0.10 | 2.90 ± 0.25 | 1.22 |
| 33/10.2 | ≥33 | ≤10.2 | 3.2 ± 0.25 | 0.40 ± 0.10 | 3.60 ± 0.25 | 1.22 |
| 38.1/12 | ≥38.1 | ≤12 | 3.4 ± 0.25 | 0.60 ± 0.15 | 4.00 ± 0.30 | 1.22 |
| 43.2/12 | ≥43.2 | ≤12 | 4.3 ± 0.20 | 0.70 ± 0.20 | 5.00 ± 0.35 | 1.22 |
| 51/16 | ≥51 | ≤16 | 4.3 ± 0.20 | 0.70 ± 0.20 | 5.00 ± 0.35 | 1.22 |
| 70/21 | ≥70 | ≤21 | 4.3 ± 0.20 | 0.70 ± 0.20 | 5.00 ± 0.35 | 1.22 |
| 85/25 | ≥85 | ≤25 | 4.3 ± 0.20 | 0.70 ± 0.20 | 5.00 ± 0.35 | 1.22 |
| 105/30 | ≥105 | ≤30 | 4.3 ± 0.20 | 0.80 ± 0.25 | 5.10 ± 0.35 | 1.22 |
| 120/39 | ≥120 | ≤39 | 4.3 ± 0.20 | 0.80 ± 0.25 | 5.10 ± 0.35 | 1.22 |
| 140/42 | ≥140 | ≤42 | 4.3 ± 0.20 | 0.80 ± 0.25 | 5.10 ± 0.35 | 1.22 |

Without adhesive Specification RSFRW

| Size (mm) | I.D. Expanded (mm) | After Recovered | | Standard length (m/pc) |
|-----------|--------------------|-----------------|-------------|------------------------|
| | | I.D.(mm) | W.T.(mm) | |
| 9/3 | ≥9 | ≤3 | 2.30 ± 0.25 | 1.22 |
| 13/4 | ≥13 | ≤4 | 2.75 ± 0.25 | 1.22 |
| 20/6 | ≥20 | ≤6 | 2.90 ± 0.25 | 1.22 |
| 28/9 | ≥28 | ≤9 | 2.90 ± 0.25 | 1.22 |
| 33/10.2 | ≥33 | ≤10.2 | 3.60 ± 0.25 | 1.22 |
| 38.1/12 | ≥38.1 | ≤12 | 4.00 ± 0.30 | 1.22 |
| 43.2/12 | ≥43.2 | ≤12 | 5.00 ± 0.35 | 1.22 |
| 51/16 | ≥51 | ≤16 | 5.00 ± 0.35 | 1.22 |
| 70/21 | ≥70 | ≤21 | 5.00 ± 0.35 | 1.22 |
| 85/25 | ≥85 | ≤25 | 5.00 ± 0.35 | 1.22 |
| 105/30 | ≥105 | ≤30 | 5.10 ± 0.35 | 1.22 |
| 120/39 | ≥120 | ≤39 | 5.10 ± 0.35 | 1.22 |
| 140/42 | ≥140 | ≤42 | 5.10 ± 0.35 | 1.22 |



Product Introduction:

Heat Shrinkable Tube is manufactured by co-extrusion polyolefin and environment friendly hot-melt adhesive with color-changing line outside. Designed to protect for CATV industry, communication connection and pipe anti-corrosion.

Characteristics:

1. Electrical and communication cable joint and termination
2. Pipe anti-corrosion
3. Protection and sealing for mechanical equipment.
4. Operating Temperature: -45°C~125°C
5. Shrinking Temperature: 125°C
6. RoHS compliant.

Standard Color: Black (Other color available upon request.)

Technical Data:

| Property | Test Method | Standard |
|---------------------------------|----------------------|--------------------------|
| Tensile Strength | ASTMD 2671 | ≥ 14MPa |
| Elongation | ASTMD 2671 | ≥ 400% |
| Density | ASTMD 792 | 1.20g/cm ³ |
| Longitudinal shrinkage | UL 224 | ≥ 10% |
| Elongation at break after aging | UL224 158°C X 168hrs | ≥ 300% |
| Heat resistance | UL224 225°C X 4hrs | No cracking |
| Dielectric strength(kv/mm) | IEC 243 | ≥ 20KV/mm |
| Volume resistance | IEC 93 | ≥ 10 ¹⁴ Ω .cm |
| Water absorption | ASTM-D570 | <0.15% |

HOT MELTING ADHESIVE PROPERTY

| Property | Test Method | Standard |
|--------------------|-------------|----------|
| Water absorption | ASTM-D570 | <0.2% |
| Intenerating point | ASTM-E8 | 95°C |
| PE | ASTM-D1000 | 120N/25m |
| AL | ASTM-D1000 | 80N/25m |

Specification:

| Size (mm) | I.D. Expanded (mm) | After Recovered | | | | Standard length (m/pc) |
|---------------------------|--------------------|-----------------|--------------------|-------------------------|----------------|------------------------|
| | | Max.I.D.(mm) | Out layer W.T.(mm) | Adhesive Layer W.T.(mm) | Total W.T.(mm) | |
| SBRSTV 0400 (10.2/3.8) | Φ 10.2 | Φ 3.8 | 2.0 ± 0.20 | 0.40 ± 0.10 | 2.40 ± 0.25 | 1.22 |
| SBRSTV 0750 (19.0/5.6) | Φ 19.0 | Φ 5.6 | 2.2 ± 0.20 | 0.45 ± 0.10 | 2.65 ± 0.25 | 1.22 |
| SBRSTV 1100 (27.9/10.2) | Φ 27.9 | Φ 10.2 | 2.5 ± 0.20 | 0.5 ± 0.15 | 3.00 ± 0.25 | 1.22 |
| SBRSTV 1300 (33.0/10.2) | Φ 33.0 | Φ 10.2 | 2.6 ± 0.20 | 0.5 ± 0.15 | 3.10 ± 0.25 | 1.22 |
| SBRSTV 1500 (38.1/12.7) | Φ 38.1 | Φ 12.7 | 2.7 ± 0.20 | 0.5 ± 0.15 | 3.20 ± 0.25 | 1.22 |
| SBRSTV 1700 (43.2/12.7) | Φ 43.2 | Φ 12.7 | 2.7 ± 0.20 | 0.5 ± 0.15 | 3.20 ± 0.25 | 1.22 |
| SBRSTV 2050 (52.1/19.0) | Φ 52.1 | Φ 19.0 | 2.8 ± 0.25 | 0.5 ± 0.15 | 3.30 ± 0.25 | 1.22 |
| SBRSTV 2750 (69.8/25.4) | Φ 69.8 | Φ 25.4 | 2.8 ± 0.25 | 0.6 ± 0.15 | 3.40 ± 0.25 | 1.22 |



Product Introduction:

1. Adhesive Lined Heat Shrinkable Tube for Automotive Oil Pipe Protection is specially designed to protect the automotive oil pipe from vibrations and frictions during operation, and greatly improve the safety of automobiles;
2. Shrink temperature: 120 °C;
3. Operating temperature: -45 °C ~ 105 °C;
4. RoHS compliant.

Standard Color: Black (Other color available upon request.)

Technical Data:

| Property | Test Method | Standard |
|-----------------------------------|-------------|------------------------|
| Tensile Strength | ASTM D2671 | ≥ 12MPa |
| Elongation | ASTM D2671 | ≥ 300% |
| Longitudinal Shrinkage | UL224 | ± 10% |
| Operating Temperature | IEC216 | -55°C ~ +105°C |
| Flexibility under low Temperature | ASTM D746 | No Cracking at -35 oC; |

Specification:

| Size (mm) | As Supplied | After Recovery (mm) | | | Application Range | | Standard Packing (m/spool) |
|-----------|-------------|---------------------|---------------------------------|----------|-------------------|------|----------------------------|
| | I. D.(mm) | Min. W.T.(mm) | Thickness of Adhesive Layer(mm) | I.D.(mm) | inch | mm | |
| Φ5.0 | ≥5.5 | 1.0 | 0.3±0.1 | ≤3.3 | 1/8 | 3.5 | 200 |
| Φ6.0 | ≥6.5 | 1.0 | 0.3±0.1 | ≤4.6 | 3/16 | 4.76 | 200 |
| Φ8.0 | ≥8.5 | 1.0 | 0.3±0.1 | ≤6.0 | 1/4 | 6.35 | 100 |
| Φ11.0 | ≥11.5 | 1.1 | 0.3±0.1 | ≤7.0 | 5/16 | 8.0 | 100 |
| Φ15.0 | ≥15.0 | 1.2 | 0.3±0.1 | ≤9.5 | 3/8 | 10.0 | 100 |



Product Introduction:

Woer Cross Linked Heat Shrinkable Insulation Tape (WRSJD) adopts cross-linked polyolefin and environmental friendly heat melted adhesives that can be used for insulation, waterproof and anti-corrosion purposes.

Characteristics:

1. Self shrink rate > 30%;
2. Operating temperature: -55 °C ~ 105 °C;
3. Shrink Temperature: 100°C

Applications:

1. Partial Repair of the cable protective layers suffered by mechanical and heat damage and erosions and breakages caused by organic Solvents.
2. Waterproof treatment at the ends of protective sleeveings of heat shrinkable power cable joints.
3. protection of electriferous naked conductors and treatment of shortcut circuit caused by icicles;
4. Anti-corrosion and seal of pipes.
5. Insulation of bus bars in switch gear cupboards and power stations;
6. Other areas where insulations and seals are needed.

Standard Colors: Red, Yellow, Green and Black

Technical Data:

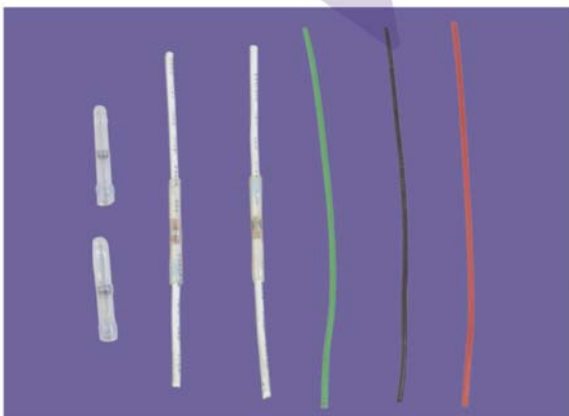
| Property | Test Method | Standard |
|------------------------|-------------------------|-------------------------|
| Tensile Strength | ASTM D638 | ≥ 12MPa |
| Elongation | ASTM D638 | ≥ 400% |
| Tensile after aging | ASTMD 2671/ 120°C, 168h | ≥ 10MPa |
| Elongation after aging | ASTMD 2671/ 120°C, 168h | ≥ 350% |
| Dielectric Strength | IEC 243 | ≥ 20KV/mm |
| Volume Resistivity | IEC 250 | ≥ 10 ¹⁴ Ω.cm |

Specification:

| Size | Standard Width (mm) | Standard Thickness(mm) | Standard Length (m) |
|-------------|---------------------|------------------------|---------------------|
| WRSJD-0825 | 25 | 0.8 ± 0.1 | 5 or 10 |
| WRSJD-0850 | 50 | 0.8 ± 0.1 | 5 or 10 |
| WRSJD-08100 | 100 | 0.8 ± 0.1 | 5 or 10 |
| WRSJD-1025 | 25 | 1.0 ± 0.1 | 5 or 10 |
| WRSJD-1050 | 50 | 1.0 ± 0.1 | 5 or 10 |
| WRSJD-10100 | 100 | 1.0 ± 0.1 | 5 or 10 |

Other sizes are available upon request.

Conductor Splicer SWT



Product Introduction

Conductor Splicer is made of non-flame-retardant clear heat shrinkable material, with soldering tin inside. Before using the product, the user has to measure the outer diameter of the conductor and select size of conductor splicer according to the diameter of the conductor. When the product is used, the two ends of the wire connectors to be joined are inserted into the splicer and joined in the middle. Put the Splicer into an oven for shrinking at a temperature higher than 183 °C. Meanwhile, the soldering tin is melted.

Characteristics:

1. The product starts shrinking at 70 °C and is totally shrunk at 183 °C. The soldering tin is also totally melted at 183 °C. The product will be totally shrunk within 3 minutes.
2. The conductor can be firmly earthed without electric welding. It can also effectively relieve the welding stress.
3. Prefabricated soldering tin makes the welding process easily controlled.
4. Unit design makes the installation more convenient.

Standard color: Clear

Specification:

| Size | Size | | Conductor O.D. (mm) | |
|----------|-----------------|-----------|---------------------|------|
| | Max. Length(mm) | Min. I.D. | Min. | Max. |
| SWT-9001 | 26 | 1.7 | 0.4 | 1.7 |
| SWT-9002 | 42 | 2.7 | 1.3 | 2.7 |
| SWT-9003 | 42 | 4.5 | 1.8 | 4.5 |
| SWT-9004 | 42 | 6 | 2.8 | 6 |
| SWT-9005 | 42 | 7 | 3.2 | 7 |



Product Introduction:

Composite Dual Wall Heat Shrinkable Tube is manufactured by heat shrinkable insulating material and heat shrinkable semi-conductive material, via special technology processing, with good insulation in its inner layer and good semi-conduction in its outer layer, provide reliable shield protection.

Applications:

It can be applied to power cable straight joints for insulating and outer-shielding layer up to 35kV, and other where requiring insulation and shield.

Technical data (Inner insulating layer)

| Property | Test method | Standard |
|----------------------------|-------------|--|
| Hardness (Shore) | | ≤90 |
| Tensile Strength (MPa) | GB/T 1040 | ≥12 |
| Elongation (%) | GB/T 1040 | ≥300 |
| Thermal aging 120°C X 168h | | K ₁ >0.8, K ₂ >0.7 |
| Volume resistance (Ω.cm) | GB/T 1410 | ≥1 × 10 ¹⁴ |
| Water absorption (%) | ASTM D570 | ≤0.5 |

Outer semi-conductive layer

| Property | Test method | Standard |
|----------------------------|-------------|--|
| Hardness (Shore) | | ≤90 |
| Tensile Strength (MPa) | GB/T 1040 | ≥14 |
| Elongation (%) | GB/T 1040 | ≥300 |
| Thermal aging 120°C X 168h | | K ₁ >0.8, K ₂ >0.7 |
| Volume resistance (Ω.cm) | GB/T 1410 | 50~100 |

Specification:

| Size(mm) | ID. As supplied(mm) | ID after recovery(mm) | Total Thickness (+/-0.5mm) | Length(mm) |
|----------|---------------------|-----------------------|----------------------------|------------|
| 30/11 | ≥30 | ≤11 | 5 | 300~1200 |
| 35/13 | ≥35 | ≤13 | 5 | |
| 45/16 | ≥45 | ≤16 | 5 | |
| 55/20 | ≥55 | ≤20 | 5 | |
| 65/25 | ≥65 | ≤25 | 5 | |
| 88/30 | ≥85 | ≤30 | 7 | |
| 100/38 | ≥100 | ≤38 | 7 | |
| 120/45 | ≥120 | ≤45 | 7 | |



Product Introduction:

Silicone Rubber Tube is manufactured by good silicone rubber with scientific formula, via advanced technology processing.

It has good flexibility, high temperature resistance, and good stability, can be widely used for providing insulation protection for household electric appliance, industrial electric appliance, lighting, and electronic instrument, also is very suitable for being the inlet tube of waterer and coffeepot, and is especially fitting for the insulation processing with high temperature resistance, the arc-resistance processing, and corona-resistance processing.

Characteristics:

- 1) Continuous operating temperature: -60 ~ 200;
- 2) Flexible, arc-resistant, corona-resistant;
- 3) RoHS compliant, with certificate for food industry;
- 4) Can make upon customer's requirements.

Standard Color: Red, blue, white, gray, green, transparent, (Other color Available upon request.)

Technical data:

| Property | Test method | Standard |
|-------------------------------------|-------------|------------------------|
| Dielectric strength (kV/mm) | GB/T 1408 | ≥ 18 |
| Volume resistance (Ω.cm) | GB/T 1410 | ≥ 1 × 10 ¹⁴ |
| Tensile Strength (MPa) | GB/T 1040 | ≥ 3.5MPa |
| Elongation (%) | GB/T 1040 | ≥ 210 |
| Flame-retardance (White color only) | GB/T 2408 | FV-1 |

Specification:

| Size (mm) | I.D.(mm) | Thickness as per Voltage withstand(mm) | | | | Standard Packing (m/spool) |
|-----------|-------------|--|--------------|--------------|--------------|----------------------------|
| | | 2500V (mm) | 4000V (mm) | 6000V (mm) | 7000V (mm) | |
| Φ0.8 | 0.8 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 200 |
| Φ1.0 | 1.0 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 200 |
| Φ1.5 | 1.5 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 200 |
| Φ2.0 | 2.0 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 100 |
| Φ2.5 | 2.5 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 100 |
| Φ3.0 | 3.0 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 100 |
| Φ3.5 | 3.5 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 100 |
| Φ4.0 | 4.0 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 100 |
| Φ4.5 | 4.5 ± 0.10 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 100 |
| Φ5.0 | 5.0 ± 0.20 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ5.5 | 5.5 ± 0.20 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ6.0 | 6.0 ± 0.20 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ6.5 | 6.5 ± 0.20 | 0.5 ± 0.10 | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ7.0 | 7.0 ± 0.20 | — | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ7.5 | 7.5 ± 0.20 | — | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ8.0 | 8.0 ± 0.25 | — | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ9.0 | 9.0 ± 0.25 | — | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 25 |
| Φ10 | 10.0 ± 0.25 | — | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ11 | 11.0 ± 0.30 | — | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 25 |
| Φ12 | 12.0 ± 0.30 | — | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 25 |
| Φ13 | 13.0 ± 0.30 | — | 1.0 ± 0.15 | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ14 | 14.0 ± 0.30 | — | — | 1.5 ± 0.20 | 2.0 ± 0.25 | 50 |
| Φ15 | 15.0 ± 0.30 | — | — | 1.5 ± 0.20 | 2.0 ± 0.25 | 25 |
| Φ20 | 20.0 ± 0.30 | — | — | — | 2.5 ± 0.30 | 10 |



Product Introduction:

Silicone Rubber Braided Tube is Braided glass fibrin and silicone colophony .General insulating protection for various household appliances, light fitting ,machines, electronic instruments etc.

Characteristics:

1. Operating temperature ranges : -60°C~200°C
2. With good flexibility and arc-resistant, corona-resistant;

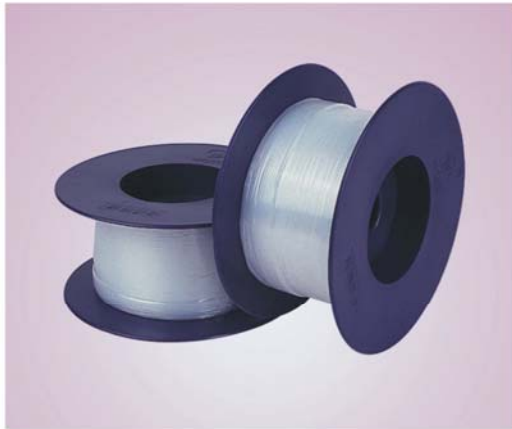
Standard color :white (Other color available upon request.)

Technical data:

| Property | Test method | Standard |
|-----------------------------|-------------|------------------------|
| Dielectric strength (kv/mm) | GB/T 1408 | ≥ 18 |
| Volume resistance | GB/T 1410 | ≥ 1 × 10 ¹⁴ |
| Tensile strength,Mpa | GB/T 1040 | ≥ 4MPa |
| Elongation,% | GB/T 1040 | ≥ 210 |
| Flammability | GB/T 2408 | FV-1 |

Specification:

| Size (mm) | Standard size (mm) | | | Standard package (m/spool) |
|-----------|--------------------|----------|--------------|----------------------------|
| | I.D. | Min.W.T. | Average W.T. | |
| 1.0 | 1.0±0.15 | 0.60 | 0.80 | 200 |
| 2.0 | 2.0±0.15 | 0.60 | 0.80 | 200 |
| 3.0 | 3.0±0.15 | 0.80 | 1.00 | 100 |
| 4.0 | 4.0±0.15 | 0.80 | 1.00 | 100 |
| 5.0 | 5.0±0.20 | 0.80 | 1.00 | 100 |
| 6.0 | 6.0±0.20 | 1.00 | 1.20 | 100 |
| 7.0 | 7.0±0.20 | 1.00 | 1.20 | 50 |
| 8.0 | 8.0±0.25 | 1.00 | 1.20 | 50 |
| 9.0 | 9.0±0.25 | 1.20 | 1.50 | 50 |
| 10.0 | 10.0±0.25 | 1.20 | 1.50 | 50 |



Standard :UL224 VW-1C-UL CSA22.2OFT

UL file No. :E203950

Product Introduction:

PTFE Tube manufactured by extrusion process with PTFE. PTFE has excellent chemical resistance, heat resistance, weather resistance .it widely used in Science&Technology field ,such as in chemistry ,instruments, mechanical industries ,communications etc .

Characteristics:

- 1.Operating Temperature : -80°C~260°C
- 2.excellent anti-corrosion (anti-acid/alkaline/chemical/oil)
- 3.High voltage resistance (45kv/mm)

Standard color :clear .

Technical Data:

| Property | Stantard | Property | Stantard |
|-----------------------------|-------------|--|----------------------|
| Relative density | 2.14 ~ 2.20 | Melting point (°C) | 327 |
| Tensile strength (MPa) | ≥25 | operating temperature (°C) | -80 ~ 260 |
| Tensile bend strength (MPa) | ≥11 | Oxygen index (%) | > 90 |
| Elongation (%) | ≥300 | Water absorption (%) | < 0.01 |
| Bending elongation | > 300 | Linear dilatability index (× 10 ⁵ /°C)21 ~ 100°C | 10 |
| Shore durometer (D) | 59 ~ 63 | Dielectric strength(kv/mm) | ≥45 |
| | | Volume resistance (Ω.cm) | 1 × 10 ¹⁴ |

Specification:

| AWG | I.D. (mm) | O.D. (mm)(S) | O.D. (mm)(T) | O.D. (mm)(L) | STANDARD PACKAGE (meter/coil) |
|-----|--------------|-----------------|-----------------|-----------------|-------------------------------------|
| 30 | 0.30 ± 0.10 | 0.80 ± 0.10 | 0.70 ± 0.10 | 0.60 ± 0.10 | 305 |
| 28 | 0.38 ± 0.10 | 0.88 ± 0.10 | 0.78 ± 0.10 | 0.68 ± 0.10 | 305 |
| 26 | 0.46 ± 0.10 | 0.96 ± 0.10 | 0.86 ± 0.10 | 0.76 ± 0.10 | 305 |
| 24 | 0.56 ± 0.10 | 1.16 ± 0.10 | 1.06 ± 0.10 | 0.86 ± 0.10 | 305 |
| 23 | 0.66 ± 0.10 | 1.26 ± 0.10 | 1.16 ± 0.10 | 0.96 ± 0.10 | 305 |
| 22 | 0.71 ± 0.10 | 1.31 ± 0.10 | 1.21 ± 0.10 | 1.01 ± 0.10 | 305 |
| 21 | 0.81 ± 0.10 | 1.41 ± 0.10 | 1.31 ± 0.10 | 1.11 ± 0.10 | 305 |
| 20 | 0.86 ± 0.10 | 1.66 ± 0.10 | 1.46 ± 0.10 | 1.16 ± 0.10 | 305 |
| 19 | 0.96 ± 0.20 | 1.76 ± 0.20 | 1.56 ± 0.20 | 1.26 ± 0.20 | 200 |
| 18 | 1.07 ± 0.20 | 1.87 ± 0.20 | 1.67 ± 0.20 | 1.37 ± 0.20 | 200 |
| 17 | 1.19 ± 0.20 | 1.99 ± 0.20 | 1.79 ± 0.20 | 1.49 ± 0.20 | 200 |
| 16 | 1.34 ± 0.20 | 2.14 ± 0.20 | 1.94 ± 0.20 | 1.64 ± 0.20 | 153 |
| 15 | 1.50 ± 0.20 | 2.30 ± 0.20 | 2.10 ± 0.20 | 1.80 ± 0.20 | 153 |
| 14 | 1.68 ± 0.20 | 2.48 ± 0.20 | 2.28 ± 0.20 | 2.08 ± 0.20 | 100 |
| 13 | 1.93 ± 0.20 | 2.73 ± 0.20 | 2.53 ± 0.20 | 2.33 ± 0.20 | 100 |
| 12 | 2.16 ± 0.25 | 2.96 ± 0.25 | 2.76 ± 0.25 | 2.56 ± 0.25 | 100 |
| 11 | 2.41 ± 0.25 | 3.21 ± 0.25 | 3.01 ± 0.25 | 2.81 ± 0.25 | 100 |
| 10 | 2.69 ± 0.25 | 3.49 ± 0.25 | 3.29 ± 0.25 | 3.09 ± 0.25 | 100 |
| 9 | 3.00 ± 0.25 | 4.00 ± 0.25 | 3.80 ± 0.25 | 3.40 ± 0.25 | 100 |
| 8 | 3.38 ± 0.25 | 4.38 ± 0.25 | 4.18 ± 0.25 | 3.78 ± 0.25 | 100 |
| 7 | 3.76 ± 0.25 | 4.76 ± 0.25 | 4.56 ± 0.25 | 4.16 ± 0.25 | 100 |
| 6 | 4.22 ± 0.25 | 5.22 ± 0.25 | 5.02 ± 0.25 | 4.80 ± 0.25 | 100 |
| 5 | 4.72 ± 0.25 | 5.72 ± 0.25 | 5.52 ± 0.25 | 5.32 ± 0.25 | 50 |
| 4 | 5.28 ± 0.30 | 6.28 ± 0.30 | 6.08 ± 0.30 | 5.88 ± 0.25 | 1.0 meter/pc |
| 3 | 5.94 ± 0.30 | 6.94 ± 0.30 | 6.74 ± 0.30 | 6.54 ± 0.25 | 1.0 meter/pc |
| 2 | 6.68 ± 0.30 | 7.68 ± 0.30 | 7.48 ± 0.30 | 7.28 ± 0.25 | 1.0 meter/pc |
| 1 | 7.46 ± 0.30 | 8.46 ± 0.30 | 8.26 ± 0.30 | 8.06 ± 0.25 | 1.0 meter/pc |
| 0 | 8.38 ± 0.30 | 9.38 ± 0.30 | 9.18 ± 0.30 | 8.98 ± 0.25 | 1.0 meter/pc |

Product Introduction:

silicone rubber insulated wire Can be applied in high temperature circumstances where household appliances, light fittings, machines, and electric heating devices and so on are operating.

The glass fabric braided layer of the UL3122 wire is improved with special process to enhance the performance of temperature resistance and insulation.

Standard: UL758 UL File No.:E227566

Colors: yellow, red green, blue, black, brown, yellow/green, white.



Technical Data:

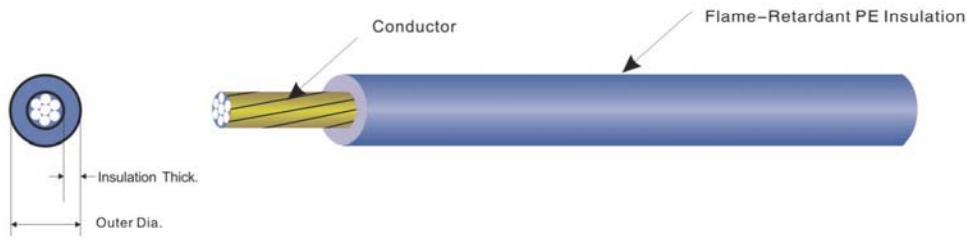
| PROPERTY | TEST METHOD | Standard |
|-----------------------|---------------------------|---------------|
| Voltage Rating | UL758UL3122 1500V 1min | PASS |
| | UL758UL3135 2500V 1min | PASS |
| Operating Temperature | UL758 | -60°C ~ 200°C |

UL 3122 Specifications:

| Conductor | | | Insulation Layer | | Electrical Insulation Layer | Standard Package (M/Spool) |
|-----------|------------------------------------|----------|------------------|------------------|--|----------------------------|
| AWG | Stranding No/ Stranding Dia(mm) | Dia.(mm) | Silicone (mm) | Max.Overall (mm) | Conductor Resistance (MAX At20°C) Ω/km | |
| 26 | 7/0.16 | 0.48 | 0.55 ± 0.10 | 1.58 ± 0.25 | ≤ 149 | 610/305 |
| 24 | 1/0.50 | 0.50 | 0.55 ± 0.10 | 1.60 ± 0.25 | ≤ 89.40 | 305 |
| | 7/0.20 | 0.60 | | 1.70 ± 0.25 | ≤ 93.30 | |
| 22 | 1/0.60 | 0.60 | 0.55 ± 0.10 | 1.70 ± 0.25 | ≤ 54.30 | 305 |
| | 7/0.25 | 0.75 | | 1.85 ± 0.25 | ≤ 55.00 | |
| 20 | 1/0.80 | 0.80 | 0.55 ± 0.10 | 1.90 ± 0.25 | ≤ 33.90 | 305 |
| | 7/0.30 | 0.90 | | 2.00 ± 0.25 | ≤ 34.60 | |
| 18 | 1/1.00 | 1.00 | 0.55 ± 0.10 | 2.10 ± 0.25 | ≤ 21.40 | 305 |
| | 7/0.40 | 1.20 | | 2.30 ± 0.25 | ≤ 21.80 | |
| | 16/0.254 | 1.16 | | 2.26 ± 0.25 | ≤ 21.80 | |
| 16 | 1/1.20 | 1.20 | 0.60 ± 0.10 | 2.40 ± 0.25 | ≤ 13.50 | 305 |
| | 7/0.50 | 1.50 | | 2.70 ± 0.25 | ≤ 13.70 | |
| | 26/0.254 | 1.49 | | 2.69 ± 0.25 | ≤ 13.70 | |
| 14 | 37/0.26 | 1.82 | 0.75 ± 0.10 | 3.32 ± 0.25 | ≤ 8.62 | 305 |
| | 41/0.254 | 1.87 | | 3.37 ± 0.25 | ≤ 8.62 | |
| 12 | 19/0.50 | 2.50 | 0.85 ± 0.10 | 4.20 ± 0.25 | ≤ 5.43 | 200 |
| 10 | 37/0.45 | 3.15 | 1.00 ± 0.10 | 5.15 ± 0.25 | ≤ 3.41 | 200 |

UL 3135 Specifications:

| Conductor | | | Insulation Layer | | Electrical Insulation Layer | Standard Package (M/Spool) |
|-----------|------------------------------------|----------|------------------|------------------|--|----------------------------|
| AWG | Stranding No/ Stranding Dia(mm) | Dia.(mm) | Silicone (mm) | Max.Overall (mm) | Conductor Resistance (MAX At20°C) Ω/km | |
| 26 | 7/0.16 | 0.48 | 0.78 ± 0.10 | 2.04 ± 0.25 | ≤ 149 | 610/305 |
| 24 | 7/0.20 | 0.60 | 0.78 ± 0.10 | 2.17 ± 0.25 | ≤ 93.30 | 305 |
| 22 | 7/0.25 | 0.75 | 0.78 ± 0.10 | 2.31 ± 0.25 | ≤ 55.00 | 305 |
| 20 | 7/0.30 | 0.90 | 0.78 ± 0.10 | 2.46 ± 0.25 | ≤ 34.60 | 305 |
| 18 | 7/0.40 | 1.20 | 0.78 ± 0.10 | 2.76 ± 0.25 | ≤ 21.80 | 305 |
| | 16/0.254 | 1.16 | | 2.72 ± 0.25 | | |
| 16 | 7/0.50 | 1.50 | 0.78 ± 0.10 | 3.06 ± 0.25 | ≤ 13.70 | 305 |
| | 26/0.254 | 1.49 | | 3.05 ± 0.25 | | |
| 14 | 37/0.26 | 1.84 | 0.90 ± 0.10 | 3.64 ± 0.25 | ≤ 8.62 | 305 |
| 12 | 19/0.50 | 2.50 | 1.00 ± 0.10 | 4.50 ± 0.25 | ≤ 5.43 | 200 |
| 10 | 37/0.45 | 3.15 | 1.00 ± 0.10 | 5.15 ± 0.25 | ≤ 3.41 | 200 |



E227566 AWM STYLE 3321 XX AWG 150C 600V VW-1-- AWM I A 150C 600V FT-1 -LF- WOER



PROPERTY:

- Temperature Rating: 150 °C
- Voltage Rating: 600 V
- Standard: UL758, UL1581 or
CSA C22.2 NO.210.2, IEC60754-2, RoHS
- The Conduct use single 32-10AWG or intertwist
naked copper or Tinned-coated copper
- Cross-linked flame retardant polythene insulated.
- Pass UL VW-1 and CSA FT1 vertical burning test

Applications:

For use in ranges, water heaters, clothes dryers, rotisseries, cookers, toasters.
Leads for transformers, lighting, ballasts and motors.
Internal wiring of electric heating, gas heating, cooking equipment and hairdressing equipment.

Colors:

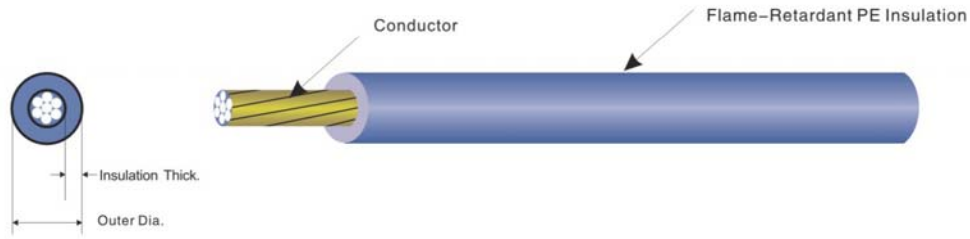
Black, brown, red, yellow, green, blue, purple, grey, white.

SPECIFICATION

| AWG | Conductor No. / mm | Conductor Dia. (mm) | Insulation Thickness (mm) | Outer Dia. (mm) | Maximum Resistance at 20°C (Ω/Km) | Standard Length (meter/ coil) |
|-----|--------------------|---------------------|---------------------------|-----------------|-----------------------------------|-------------------------------|
| 24 | 7/0.20 | 0.61 | 0.80 | 2.21 | 88.9 | 305 |
| 22 | 17/0.16 | 0.76 | 0.80 | 2.36 | 57.5 | 305 |
| 20 | 26/0.16 | 0.94 | 0.80 | 2.54 | 37.6 | 305 |
| 18 | 41/0.16 | 1.18 | 0.80 | 2.78 | 23.8 | 305 |
| 16 | 65/0.16 | 1.50 | 0.80 | 3.10 | 15.1 | 305 |
| 14 | 11/0.254 | 1.90 | 0.80 | 3.50 | 9.5 | 305 |
| 12 | 65/0.254 | 2.40 | 0.80 | 4.00 | 6.3 | 305 |
| 10 | 105/0.254 | 3.00 | 0.80 | 4.60 | 3.9 | 305 |

Similar product

E227566 AWM STYLE 3289 XX AWG 150C 600V VW-1-- AWM I A 150C 600V FT-1 -LF- WOER



E227566 AWM STYLE 3266 XX AWG 125C 300V VW-1-- AWM I A/B 125C 300V FT-1 -LF- WOER
 E227566 AWM STYLE 3266 XX AWG 125C 300V VW-1-- AWM I A/B 125C 300V FT-1 -LF- -HF- WOER



PROPERTY:

- Temperature Rating:125 °C
- Voltage Rating:300 V
- Standard: UL758, UL1581 or CSA C22.2 NO.210.2,IEC60754-2,RoHS
- The Conduct use single 32-10AWG or intertwist naked copper or Tinned-coated copper
- Cross-linked flame retardant polythene insulated.
- Pass UL VW-1 and CSA FT1 vertical burning test

Applications:

For use in ranges, water heaters, clothes dryers, rotisseries,cookers, toasters.
 Leads for transformers, lighting, ballasts and motors.
 Internal wiring of electric heating, gas heating, cooking equipment and hairdressing equipment.

Colors:

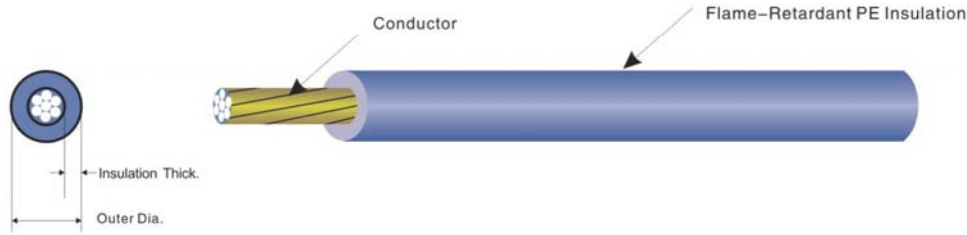
Black, brown, red, yellow, green, blue, purple , grey , white.

SPECIFICATION

| AWG | Conductor No. / mm | Conductor Dia. (mm) | Insulation Thickness(mm) | Outer Dia. (mm) | Maximum Resistance at 20°C(Ω/ Km) | Standard Length (meter/ coil) |
|-----|--------------------|---------------------|--------------------------|-----------------|-----------------------------------|-------------------------------|
| 30 | 7/0.10 | 0.30 | 0.40 | 1.10 | 354 | 610 |
| 28 | 7/0.127 | 0.38 | 0.40 | 1.18 | 237 | 610 |
| 26 | 7/0.16 | 0.48 | 0.40 | 1.28 | 139 | 610 |
| 24 | 7/0.20 | 0.61 | 0.40 | 1.41 | 88.9 | 610 |
| 22 | 17/0.16 | 0.76 | 0.40 | 1.56 | 57.5 | 610 |
| 20 | 26/0.16 | 0.94 | 0.40 | 1.74 | 37.6 | 610 |
| 18 | 41/0.16 | 1.18 | 0.40 | 1.98 | 23.8 | 305 |
| 16 | 65/0.16 | 1.50 | 0.40 | 2.30 | 15.1 | 305 |

Similar product

E227566 AWM STYLE 3265 XX AWG 125C 150V VW-1-- AWM I A/B 125C 150V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3363 XX AWG 125C 300V VW-1-- AWM I A/B 125C 300V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3271 XX AWG 125C 600V VW-1-- AWM I A/B 125C 600V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3298 XX AWG 125C 600V VW-1-- AWM I A/B 125C 600V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3331 XX AWG 125C 600V VW-1-- AWM I A/B 125C 600V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3351 XX AWG 125C 600V VW-1-- AWM I A/B 125C 600V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3352 XX AWG 125C 600V VW-1-- AWM I A/B 125C 600V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3173 XX AWG 125C 600V VW-1-- AWM I A/B 125C 600V FT-1 -LF- -HF- WOER



E227566 AWM STYLE 3385 XX AWG 105C 300V VW-1--
 E227566 AWM STYLE 3385 XX AWG 105C 300V VW-1--

AWM I A/B 105C 300V FT-1 -LF- WOER
 AWM I A/B 105C 300V FT-1 -LF- -HF- WOER



PROPERTY:

- Temperature Rating: 105 °C
- Voltage Rating: 300 V
- Standard: UL758, UL1581 or CSA C22.2 NO.210.2, IEC60754-2, RoHS
- The Conduct use single 32-10AWG or intertwist naked copper or Tinned-coated copper
- Cross-linked flame retardant polythene insulated.
- Pass UL VW-1 and CSA FT1 vertical burning test

Applications:

For use in ranges, water heaters, clothes dryers, rotisseries, cookers, toasters.
 Leads for transformers, lighting, ballasts and motors.
 Internal wiring of electric heating, gas heating, cooking equipment and hairdressing equipment.

Colors:

Black, brown, red, yellow, green, blue, purple, grey, white.

SPECIFICATION

| AWG | Conductor No. / mm | Conductor Dia. (mm) | Insulation Thickness (mm) | Outer Dia. (mm) | Maximum Resistance at 20°C (Ω/Km) | Standard Length (meter/ coil) |
|-----|--------------------|---------------------|---------------------------|-----------------|-----------------------------------|-------------------------------|
| 30 | 7/0.10 | 0.30 | 0.40 | 1.10 | 354 | 610 |
| 28 | 7/0.127 | 0.38 | 0.40 | 1.18 | 237 | 610 |
| 26 | 7/0.16 | 0.48 | 0.40 | 1.28 | 139 | 610 |
| 24 | 11/0.16 | 0.61 | 0.40 | 1.41 | 88.9 | 610 |
| 22 | 17/0.16 | 0.76 | 0.40 | 1.56 | 57.5 | 610 |
| 20 | 26/0.16 | 0.94 | 0.40 | 1.74 | 37.6 | 610 |
| 18 | 41/0.16 | 1.18 | 0.40 | 1.98 | 23.8 | 305 |
| 16 | 65/0.16 | 1.50 | 0.40 | 2.30 | 15.1 | 305 |

Similar product

E227566 AWM STYLE 3302 XX AWG 105C 30V VW-1-- AWM I A/B 105C 30V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 10368 XX AWG 105C 300V VW-1-- AWM I A/105C 300V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3386 XX AWG 105C 600V VW-1-- AWM I A/B 105C 600V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3569 XX AWG 105C 600V VW-1-- AWM I A/B 105C 600V FT-1 -LF- -HF- WOER
 E227566 AWM STYLE 3275 XX AWG 105C 1000V VW-1-- AWM I A/B 105C 1000V FT-1 -LF- WOER



Single Color



Double Color

Product Introduction

Skidproof Flower-lined Heat Shrink Tubing is made of high-polymer with scientific formula, via advanced technology processing. It has the advantage of environment friendly, good flexibility, skidproof, perfect appearance, fast shrinkage, and stable performance, widely used in fishing tackles, sports fittings, health equipment and commodities, etc.

Property:

- 1) Operating Temperature: -55°C ~ 105°C
- 2) Shrinking Temperature: Start at 70°C, and shrunk totally at 110°C,
- 3) Tensile Strength: 10.4Mpa; Elongatin:200%;
- 4) Shrink ratio: 2:1, longitudinal shrink ratio ≤ 8%.
- 5) Convenient: can be shrunk by oven, heat gun or hot water easily;
- 6) RoHS compliant, it's the first of its kind in China.

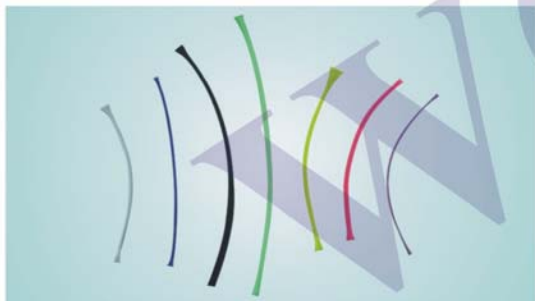
Color: Black, Red, Yellow, Green, Blue. (Other color available upon request.)

Specification:

| Size | As supplied(mm) | | After recovery | | Standard Packing (m/pcs) |
|------|-----------------|-------------------|----------------|-------------|--------------------------|
| | ID | Average Thickness | Max.ID | Average ID | |
| Φ 15 | ≥15 | 0.45 ± 0.15 | 8 | 0.85 ± 0.15 | 1.0 |
| Φ 20 | ≥20 | 0.50 ± 0.15 | 11 | 0.90 ± 0.15 | 0.8/1.0/1.6 |
| Φ 22 | ≥22 | 0.50 ± 0.15 | 12.5 | 0.90 ± 0.15 | 0.8/1.0/1.6 |
| Φ 25 | ≥25 | 0.50 ± 0.15 | 14.5 | 1.00 ± 0.15 | 0.8/1.0/1.6 |
| Φ 28 | ≥28 | 0.50 ± 0.15 | 15.5 | 1.00 ± 0.15 | 0.8/1.0/1.6 |
| Φ 30 | ≥30 | 0.60 ± 0.15 | 17.5 | 1.20 ± 0.15 | 0.8/1.0/1.6 |
| Φ 35 | ≥35 | 0.60 ± 0.15 | 20 | 1.20 ± 0.15 | 0.8/1.0/1.6 |
| Φ 40 | ≥40 | 0.60 ± 0.15 | 23 | 1.20 ± 0.15 | 0.8/1.0/1.6 |
| Φ 45 | ≥45 | 0.65 ± 0.15 | 25 | 1.25 ± 0.15 | 0.8/1.0/1.6 |
| Φ 50 | ≥50 | 0.65 ± 0.15 | 28 | 1.25 ± 0.15 | 0.8/1.0/1.6 |

Expandable Sleeving

WSS



Expandable Sleeving is made of braided polyester yarn and easily slipped over your wire harness or tubing by bunching it together and then stretching it to bring it back down to size. This material is light weight and extremely flexible. Expandable sleeving is used to bundle wires, protect hoses, etc.

Material: Polyethylene Terephthlate P.E.T.

| Size(mm) | Compos.nx/mm | Dia.(mm) | Max.Dia.(mm) | Package(m/reel) |
|----------|--------------|----------|--------------|-----------------|
| 3 | 1/0.25 | 3 | 5 | 1000 |
| 4 | 1/0.25 | 4 | 6 | 1000 |
| 5 | 1/0.25 | 5 | 7 | 1000 |
| 6 | 1/0.25 | 6 | 8 | 1000 |
| | 3/0.20 | 6 | 8 | 800 |
| 7 | 1/0.25 | 7 | 9 | 800 |
| | 3/0.20 | 7-8 | 10 | 500 |
| 8 | 1/0.25 | 8 | 10 | 500 |
| | 3/0.20 | 8 | 10 | 500 |
| 9 | 1/0.25 | 9 | 11 | 500 |
| | 3/0.20 | 9 | 11 | 500 |
| 10 | 1/0.25 | 10 | 12 | 500 |
| | 3/0.20 | 10 | 12 | 500 |
| 12 | 3/0.20 | 12 | 14 | 500 |
| | 3/0.25 | 12 | 14 | 500 |
| 14 | 3/0.20 | 14 | 16 | 500 |
| | 3/0.25 | 14 | 16 | 500 |
| 16 | 3/0.20 | 16 | 18 | 500 |
| | 3/0.25 | 16 | 18 | 500 |
| 18 | 3/0.20 | 18 | 20 | 400 |
| | 3/0.25 | 18 | 20 | 400 |
| 20 | 3/0.20 | 20 | 22 | 400 |
| | 3/0.25 | 20 | 22 | 400 |
| 22 | 3/0.20 | 22 | 24 | 400 |
| | 3/0.25 | 22 | 24 | 400 |
| 24 | 3/0.20 | 24 | 26 | 400 |
| | 3/0.25 | 24 | 26 | 400 |



Shenzhen Woer Heat-shrinkable Material Co., Ltd.

Add: Woer Mansion, xinwei industrial park, xili, nashan ,
shenzhen, China

Tel: 0086-755-26623453 26703086 26626463 26627440

Fax: 0086-755-26620842

Email: woer@woer.com

Website: www.woer.com