



JDD New Energy Products Introduction

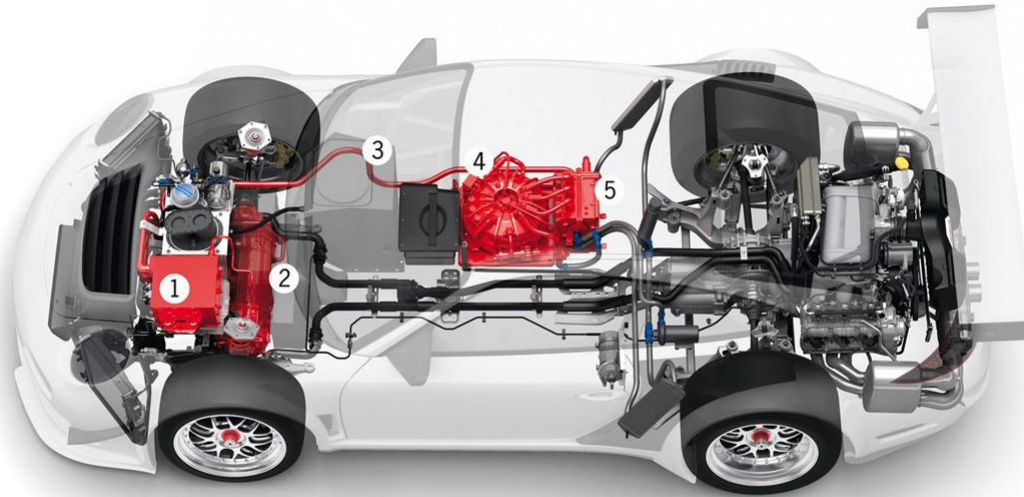
SHENZHEN JDDTECH NEW MATERIAL CO.,LTD

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New energy protection sleeving

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- P7-9 FR1105 (Orange braided sleeving)
- P10-12 SCS2165 (Orange self-closing wrap)
- P13-16 SCS2160D (Double layer self-closing wrap)
- P17-19 LG3215 (PA orange corrugate flexible conduit)
- P20-22 LG3305 (PP orange corrugate flexible conduit)
- P23-24 FR1145 EMI (EMI shielding braided sleeving)



Abrasion resistance
sleeving



Flame retardant
sleeving



Electromagnetic shielding
protection sleeving



New energy protection
sleeving (high voltage
resistance)

The application of new energy protection sleeving

The application of new energy wiring harness requires wear-resistant and impact-resistant components

Wiring harnesses, hoses, rigid tubes, cables





Customized low cost solution

Ideal substitute for aluminum corrugated conduite, metal tape and metal heat insulation board

Characteristics and advantages

- With excellent impact resistance, abrasion resistance, widely used for automotive wire harness, abrasion resistance of hoses and impact protection
- Easy to install, with tubular, self-closing and other structural
- Operating temperature up to 150°C
- Flammability, environmental protection and halogen-free



| SN | Product Name | JDD Model | Product pictures | Temperature Class | T1 |
|----|--|----------------------------|---|--------------------------|---------|
| 1 | Orange braided sleeving | FR1105 |  | 150°C | HG |
| 2 | Orange self-closing wrap | SCS2165 |  | 150°C | Aptiv |
| 3 | Double layer self-closing wrap | SCS2165D |  | 150°C | Aptiv |
| 4 | Orange corrugated flexible conduit | PP : LG3305 PA : LG3215 |  | PP : 125°C PA : 150°C | YA DA |
| 5 | EMI shielding braided sleeving (PET+tinned copper) | FR1510 EMI |  | 150°C | YU TONG |

Product process of new energy textile sleeving

PET raw material slice and multifilament
Global unified raw material supply

Master material modification and core
spinning technology
Mechanical property

Rolling
Tension control

High-speed textile machine
Width:8-200mm

Molding
Temperature

Hot cut
Automatic feeding

First article inspection, random inspection,
shipment inspection, annual inspection
Perfect quality control system

Customize packages
Custom labels

Product process of extrusion type new energy sleeving

PP/PA slice
Global unified raw material supply

Master the core technology of material
modification
Material property

Dry
Temperature

Continuous extrusion
Dimensions and appearance

Automatic cutting
Automatic feeding

First article inspection, random inspection,
shipment inspection, annual inspection
Perfect quality control system

Customize packages
Custom labels

Product composition and characteristics

- ◆ Made of high performance PET monofilament, halogen-free, no harmful substances
- ◆ Operating temperature-40°C-150°C
- ◆ Excellent abrasion resistance and heat resistance
- ◆ Closed design, expandable to 3 times its own diameter , easy to install
- ◆ Norminal range : 2-60mm

Application

- ◆ Wire harness, rubber hose

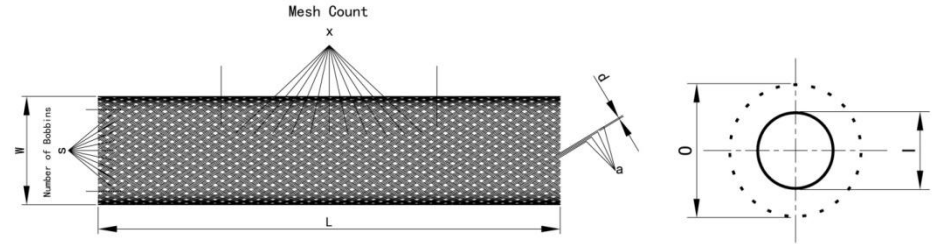
Application OEM: BYD、BAIC BJEV、

**Performance benchmarking and data**

| Test items | Standard | Test method/judgment result | JDD test result |
|---------------------------|--------------------|---|------------------------------|
| Long-term thermal aging | ISO188 GMW14327 | 150°C/504H After the constant temperature test, treat it for 16 hours under the conditions of 23±2°C and 50±5% RH; at a constant speed, once every 10 seconds, wind the sample on a mandrel with a diameter equal to four times the nominal diameter of the sample for testing, and confirm that the sample is not cracked or brittle Phenomenon. | No cracking or embrittlement |
| | SAE J2192 | 150°C/3000H constant temperature test, every 500h test, take out 5 samples from the oven and treat them at 23±2°C and 50±5%RH for 4 hours; at a constant speed, wrap the samples around every 10 seconds Test on a mandrel with a diameter equal to four times the nominal diameter of the sample to confirm whether the sample has embrittlement or fracture | No embrittlement or fracture |
| Accelerated thermal aging | ISO 188-B | After the constant temperature test at 175°C/240 H, the samples were treated at 23±2°C and 50± 5% RH for 16 hours. At a constant rate of one turn every 10 seconds, the sample is wound on the mandle-axis with a diameter equal to four times the nominal diameter of the sample to verify whether the sample has brittle crack or fracture phenomenon | No embrittlement or fracture |

Performance benchmarking and data

| Test items | Standard | Test method/judgment result | JDD test result |
|-----------------------------|---------------|---|------------------------------|
| Abrasion resistance | ISO6722-1 | Load 7N, 0.4mm piano wire, 13mm core rod, and determine the abrasion resistance level according to the OEM standard | GMW14327 ≥4 Class (10000) |
| | SAE ARP 1536B | Load 11N,13mm metal grinding head,13mm mandrel, according to the OEM standard to determine the abrasion grade | ≥3 Class (200000) |
| Liquid resistance | GMW14327 | Put the product in contact with the liquid in the automobile engine room for 5 minutes at room temperature, and then wrap it on a 4-fold mandrel after 20 minutes. Observe that the sample does not crack or delamination | No cracking and delamination |
| Flammability | UL94 | V0 Class | Pass |
| | FMV SS302 | < 100 mm/min | self-extinguishing |
| Low temperature flexibility | SAE J2192 | After - 40 °C / 4 h testing, keep the same testing environment winding the test sample 360° on a 4 times diameter(on the basis of sample diameter) mandrel,every 10 s winding a circle, visual check samples no cracking or degradation, no delamination of adhesive | No cracking and delamination |

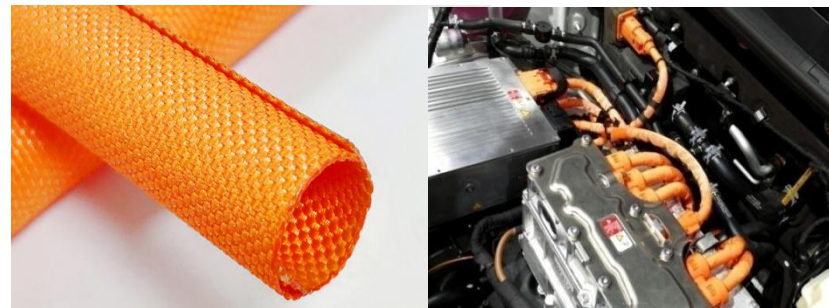


Product Dimensions

| Model | Flat width (W) | | Expanded range | | Packaging (L) m/roll |
|-------|------------------|----|----------------|------------|------------------------|
| | inch | mm | Min. (I) | Max. (O) | |
| 003 | 1/8 " | 3 | 1 | 6 | 1000 |
| 006 | 1/4" | 6 | 3 | 9 | 500 |
| 008 | 5/16" | 8 | 5 | 12 | 350 |
| 010 | 3/8" | 10 | 7 | 17 | 350 |
| 012 | 1/2" | 12 | 8 | 20 | 300 |
| 016 | 5/8" | 16 | 10 | 27 | 250 |
| 019 | 3/4" | 19 | 14 | 30 | 200 |
| 025 | 1" | 25 | 18 | 33 | 200 |
| 032 | 1-1/4" | 32 | 20 | 50 | 150 |
| 038 | 1-1/2" | 38 | 30 | 60 | 100 |
| 045 | 1-3/4" | 45 | 35 | 75 | 100 |
| 050 | 2" | 50 | 40 | 80 | 100 |
| 064 | 2-1/2" | 64 | 45 | 105 | 100 |
| 076 | 3" | 76 | 64 | 120 | 100 |

Product composition and characteristics

- ◆ It is woven from polyester monofilament and polyester multifilament in warp and weft direction, environmentally friendly and halogen-free.
- ◆ Operating temperature -40°C-150°C
- ◆ Lightweight, dust-proof, wear-resistant, orange unique design is easy to identify high pressure
- ◆ Open structure design is easy to install.
- ◆ ID : 5-38mm , overlap 25%

**Application**

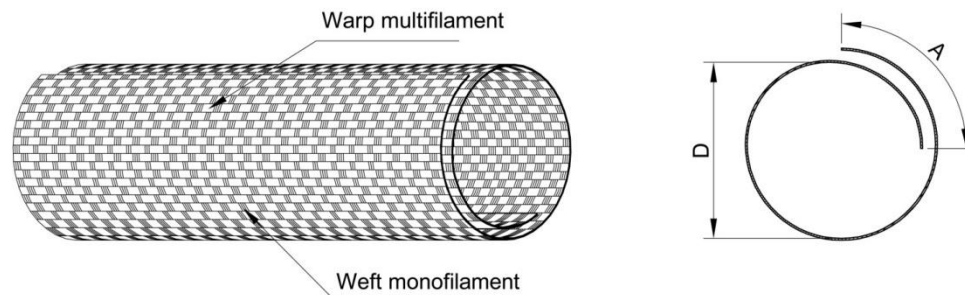
- ◆ Automotive wiring harness terminals, connectors, etc.
- ◆ Application OEM:VOLVO、GAC、BYD、CATL、JONHON、SAIC、Nissan

Performance benchmarking and data

| Test items | Standard | Test method/judgment result | JDD test result |
|---------------------------|--------------------|--|------------------------------|
| Long-term thermal aging | ISO188 GMW14327 | 150°C/504H After the constant temperature test, treat it for 16 hours under the conditions of 23±2°C and 50±5% RH; at a constant speed, once every 10 seconds, wind the sample on a mandrel with a diameter equal to four times the nominal diameter of the sample for testing, and confirm that the sample is not cracked or brittle Phenomenon. | No cracking or embrittlement |
| | SAE J2192 | 150°C/3000H constant temperature test, every 500h test, take out 5 samples from the oven and treat them at 23±2°C and 50±5%RH for 4 hours; at a constant speed, wrap the samples around every 10 seconds Test on a mandrel with a diameter equal to four times the nominal diameter of the sample to confirm whether the sample has embrittlement or fracture; | No embrittlement or fracture |
| Accelerated thermal aging | ISO 188 | After the constant temperature test at 175°C/240 H, the samples were treated at 23±2°C and 50± 5% RH for 16 hours.At a constant rate of one turn every 10 seconds, the sample is wound on the mandle-axis with a diameter equal to four times the nominal diameter of the sample to verify whether the sample has brittle crack or fracture phenomenon | No embrittlement or fracture |

Performance benchmarking and data

| Test items | Standard | Test method/judgment result | JDD test result |
|-----------------------------|---------------|--|------------------------------|
| Abrasion resistance | ISO6722-1 | Load 7N, 0.4mm piano wire, 13mm core rod, and determine the abrasion resistance level according to the OEM standard | GMW14327 ≥3Class (3000) |
| | SAE ARP 1536B | Load 11N,13mm metal grinding head,13mm mandrel, according to the OEM standard to determine the abrasion grade | ≥3 Class (200000) |
| Liquid resistance | GMW14327 | Put the product in contact with the liquid in the automobile engine room for 5 minutes at room temperature, and then wrap it on a 4-fold mandrel after 20 minutes. Observe that the sample does not crack or delamination | No cracking and delamination |
| Flammability | UL94 | V0 Class | Pass |
| | FMV SS302 | < 100 mm/min | self-extinguishing |
| Low temperature flexibility | SAE J2192 | After - 40 °C / 4 h testing, keep the same testing environment winding the test sample 360° on a 4 times diameter(on the basis of sample diameter) mandrel, every 10 s winding a circle, visual check samples no cracking or degradation, no delamination of adhesive | No cracking and delamination |



Product size specification

| P/N | ID D(mm) | Expanded width☆(mm) | Max bundle dia (mm) | Overlap A (°) |
|-------------|----------|---------------------|---------------------|-----------------|
| SCS2165-005 | 5 | 25±4 | 6 | 90°+40°/-25° |
| SCS2165-008 | 8 | 40±4 | 9 | |
| SCS2165-010 | 10 | 45±4 | 11 | |
| SCS2165-013 | 13 | 60±6 | 14 | |
| SCS2165-016 | 16 | 70±6 | 17 | |
| SCS2165-019 | 19 | 85±6 | 20 | 90°±20° |
| SCS2165-025 | 25 | 105±8 | 26 | |
| SCS2165-029 | 29 | 120±8 | 30 | |
| SCS2165-032 | 32 | 135±8 | 33 | |
| SCS2165-038 | 38 | 160±8 | 40 | |

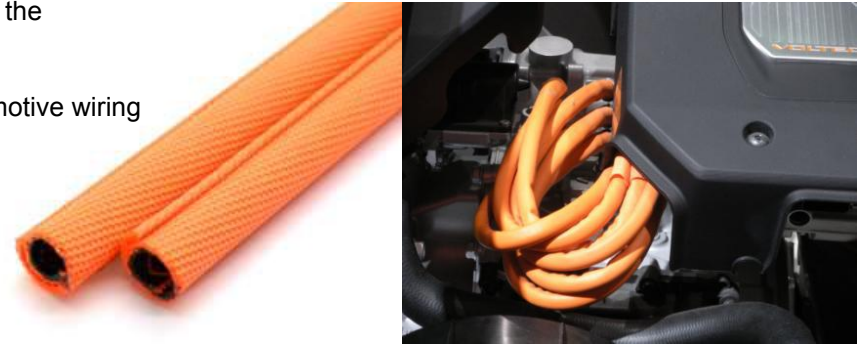
Product composition and features

- ◆ Made of polyester monofilament and polyester multi-filaments and woven in the direction of warp and weft, environment-friendly and halogen-free.
- ◆ Operating temperature: -40°C to 150°C.
- ◆ With excellent impact resistance, abrasion resistance, widely used for automotive wiring harness,
- ◆ Abrasion resistance and impact resistance protection for rubber hose.
- ◆ The structural design of the opening is easy to install.
- ◆ Inside diameter : 8-32mm , overlap:25%

Typical applications

- ◆ Automotive wire harness terminal ,splice

Application OEM: VOLVO、 Dongfeng Nissan, GAC

**Performance benchmarking and data**

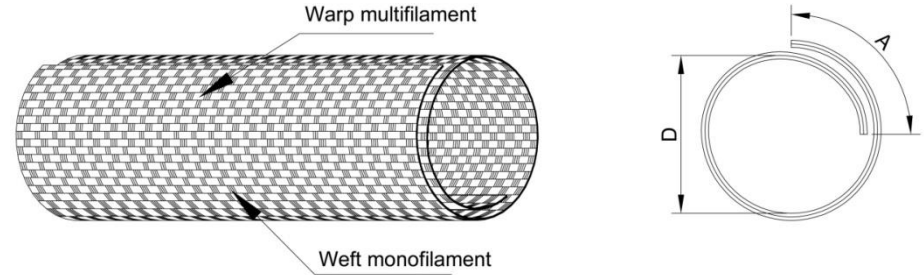
| Test Items | Test Standard | Test Methods/Determination Result | JDD Test Result |
|-----------------------|--------------------|---|-------------------------------|
| Long term heat ageing | ISO188 GMW14327 | After constant temperature test at 150°C for 504H, it is conditioned at 23±2°C and 50±5% RH for 16 hours. At a uniform speed of one turn per 10 seconds, the sample is wrapped around a mandrel whose diameter equal to 4 times the nominal diameter of the sample. Check the sample any signs of cracking or embrittlement. | No embrittlement, no cracking |
| | SAE J2192 | 150°C/3000H constant temperature test, every 500h test, take out 5 samples from the oven and treat them at 23±2°C and 50±5%RH for 4 hours; at a constant speed, wrap the samples around every 10 seconds Test on a mandrel with a diameter equal to four times the nominal diameter of the sample to confirm whether the sample has embrittlement or fracture | No embrittlement, no cracking |

Performance benchmarking and data

| Test items | Standard | Test method/judgment result | JDD test result |
|---------------------------|---------------|---|-----------------------------------|
| Accelerated thermal aging | ISO 188 | After the constant temperature test at 175°C/240 H, the samples were treated at 23±2°C and 50± 5% RH for 16 hours. At a constant rate of one turn every 10 seconds, the sample is wound on the mandle-axis with a diameter equal to four times the nominal diameter of the sample to verify whether the sample has brittle crack or fracture phenomenon | No embrittlement or fracture |
| Abrasion resistance | ISO6722-1 | Load 7N, 0.4mm piano wire, 13mm core rod, and determine the abrasion resistance level according to the OEM standard | GMW14327 ≥8 Class (200000) |
| | SAE ARP 1536B | Load 11N, 13mm metal grinding head, 13mm mandrel, according to the OEM standard to determine the abrasion grade | ≥E Class (1 million) |
| Drop test | LV312-3 | Single wire | E (50 J) No short circuit > 10 ms |
| | | Shielded wire | C (15 J) No short circuit > 10 ms |

Performance benchmarking and data

| Test items | Standard | Test method/judgment result | JDD test result |
|-----------------------------|-----------|--|------------------------------|
| Impact resistance | LV312-3 | At room temperature 23°C , 1500g impact , No visual cracks or damages allowed | PASS |
| | LV312-3 | At low temperature -40°C , 700g impact , No visual cracks or damages allowed | PASS |
| Fluid Resistance | GMW14327 | Put the product in contact with the liquid in the automobile engine room for 5 minutes at room temperature, and then wrap it on a 4-fold mandrel after 20 minutes. Observe that the sample does not crack or delamination | No cracking and delamination |
| Flabmmability | UL94 | Class V0 | Pass |
| | FMV SS302 | < 100 mm/min | Self-extinguish |
| Low temperature flexibility | SAE J2192 | After - 40 °C / 4 h testing, keep the same testing environment winding the test sample 360° on a 4 times diameter(on the basis of sample diameter) mandrel, every 10 s winding a circle, visual check samples no cracking or degradation, no delamination of adhesive | No cracking and delamination |



Product Dimensions

| Model | Nominal inside diameter D (mm) | Function inside diameter D (mm) | Wall Thickness (mm) | Overlap (°) |
|-------------|--------------------------------|---------------------------------|---------------------|---------------|
| SCS2169D-08 | 8 | 6 ~ 8 | 2.0±0.25 | 90+45/-25 |
| SCS2169D-10 | 10 | 8-10 | | 90+45/-25 |
| SCS2169D-13 | 13 | 10-14 | | 90+45/-25 |
| SCS2169D-16 | 16 | 14-17 | | 90+45/-25 |
| SCS2169D-19 | 19 | 17-19 | | 90±20 |
| SCS2169D-25 | 25 | 19-25 | | 90±20 |
| SCS2169D-29 | 29 | 25-29 | | 90±20 |

Product composition and features

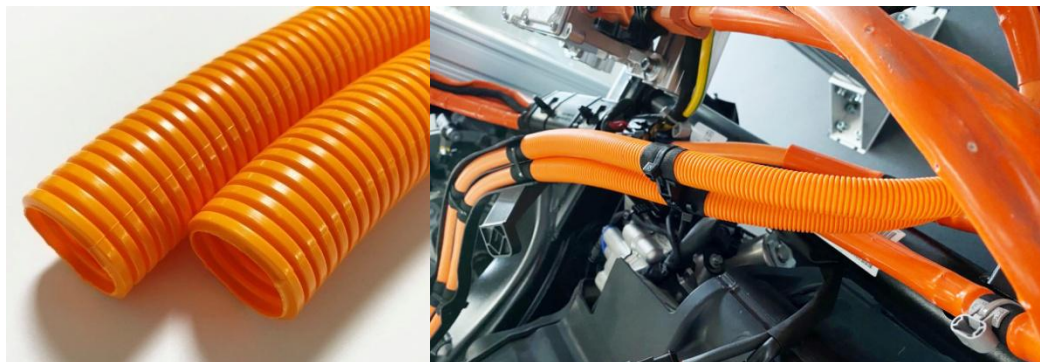
- ◆ Extruded by PA material, molding, environmental protection, halogen-free, no hazardous substances.
- ◆ Working temperature:-40°C to 150°C
- ◆ Flexibility, bendability , acid resistance, abrasion resistance.
- ◆ Protect wiring harness, wires,cables, etc.
- ◆ Inside diameter : 4.8-48mm

Typical Application

- ◆ Wire harnesses,mechanical,electronic

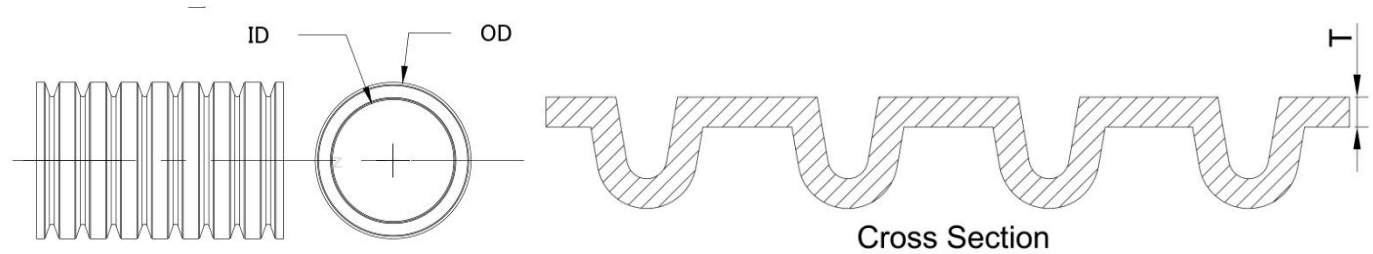
Application Performance

- ◆ Honda, JONHON, Changan, BAIC, SAIC, Yutong

**Performance benchmarking and data**

| Test items | Standard | Test method/judgment result | JDD test result |
|-------------------------|--------------------|---|------------------------------|
| Long term heat ageing | ISO188 GMW14327 | After 150°C/3000H constant temperature test, treat at 23±2°C and 50±5%RH for 4 hours; wind the sample on a mandrel with a diameter equal to four times the nominal diameter of the sample every 10 seconds at a constant speed Test to confirm that the sample has no cracking or embrittlement phenomenon; | No cracking or embrittlement |
| | QC/T29106 | After 150°C/3000 H constant temperature test, confirm whether the sample has embrittlement or fracture | No embrittlement or fracture |
| Accelerated heat ageing | QC/T29106 | After the constant temperature test at 175°C/240 H, the appearance of the sample is confirmed to be brittle or fractured | No embrittlement or fracture |

| Test items | Standard | Test method/judgment result | JDD test result |
|-----------------------------|-----------------|--|------------------------------|
| Abrasion Resistance | ISO6722-1 | Sandpaper abrasion: load 0.63N, 150J sandpaper belt, confirm the stroke of the sandpaper belt when the sample is worn out | > 2800mm |
| | | Needle grinding Scrape abrasion: load 7N, 0.4mm piano wire, 13mm mandrel, rotate 45 degrees, confirm the wear resistance level according to the host standard | GMW14327 ≥6Class (50000) |
| Liquid resistance | GMW14327 | Put the product in contact with the liquid in the automobile engine room for 5 minutes at room temperature, and then wrap it on a 4-fold mandrel after 20 minutes. Observe that the sample does not crack or delamination | No cracking and delamination |
| Flammability | UL94&GB / T2408 | Class V0 | Pass |
| | FMV SS302 | < 100 mm/min | Self-extinguish |
| Low temperature flexibility | QC/T29106 | After testing the hollow corrugated flexible conduit at -40°C/4H, wind it on a 4-fold mandrel and observe that the sample has no cracking or delamination | No cracking and delamination |
| Low temperature impact | QC/T29106 | Fill up to 75% of the corrugated flexible conduit sample assembly with PVC wire. After testing at -40°C/4H, under the condition of -40°C, 300g steel balls fall freely from a height of 100mm to impact the sample assembly, and observe whether the sample is cracked or broken | No cracks or breaks |



Product dimensions

| Model | Inside diameter (ID)mm | Outside diameter (OD)mm | Wall Thickness (T) mm | Packaging (M/Roll) |
|-------|------------------------|--------------------------|-------------------------|----------------------|
| Φ5 | 5.5±0.3 | 8.5±0.3 | 0.25±0.05 | 200 |
| Φ7 | 7.0±0.3 | 10.0±0.3 | 0.27±0.05 | 200 |
| Φ8 | 8.5±0.3 | 11.0±0.3 | 0.30±0.05 | 200 |
| Φ10 | 10.0±0.3 | 13.0±0.3 | 0.30±0.05 | 100 |
| Φ12 | 12.0±0.4 | 15.8±0.4 | 0.30±0.05 | 100 |
| Φ14 | 14.5±0.4 | 18.5±0.4 | 0.32±0.05 | 100 |
| Φ17 | 17.0±0.4 | 21.2±0.4 | 0.32±0.05 | 100 |
| Φ21 | 21.0±0.4 | 25.0±0.4 | 0.35±0.05 | 100 |
| Φ23 | 23.0±0.4 | 28.5±0.4 | 0.35±0.05 | 50 |
| Φ29 | 29.0±0.4 | 34.5±0.4 | 0.40±0.05 | 50 |
| Φ36 | 36.0±0.4 | 42.5±0.4 | 0.45±0.05 | 25 |
| Φ48 | 48.0±0.4 | 54.5±0.4 | 0.50±0.05 | 25 |

Product composition and characteristics

- ◆ Extrusion from PP material, molding, environmental protection, halogen-free, no hazardous substances.
- ◆ Working Temperature : -40°C to 125°C
- ◆ Flexibility, bendability, acid resistance, abrasion resistance.
- ◆ Protect wire harness, wire ,cables
- ◆ Inside Diameter : 4.8-48mm

Typical Application

- ◆ Wire harness, mechanical, electronics.

Application performance

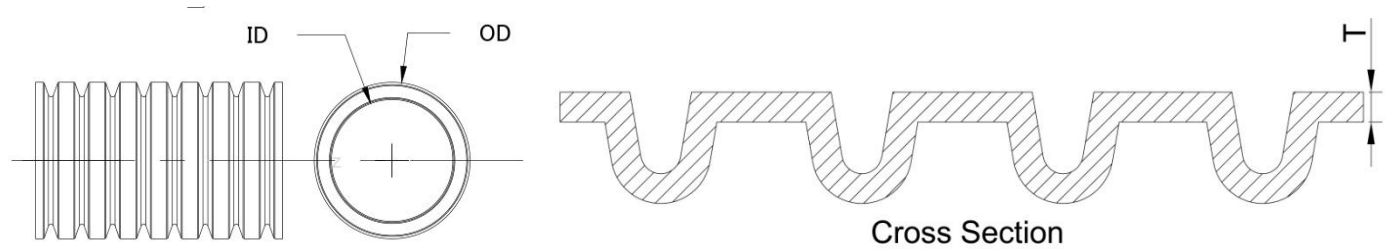
- ◆ Honda, CATL, Yutong, CRRC, JONHON

**Performance benchmarking and data**

| Test items | Standard | Test method/judgment result | JDD test result |
|-------------------------|--------------------|--|------------------------------|
| Long term heat ageing | ISO188 GMW15926 | After 125°C/3000H constant temperature test, treat at 23±2°C and 50±5%RH for 4 hours; wind the sample on a mandrel with a diameter equal to four times the nominal diameter of the sample at a constant speed every 10 seconds Test to confirm that the sample has no cracking or embrittlement phenomenon; | No cracking or embrittlement |
| | QC/T29106 | After 125°C/3000 H constant temperature test, confirm whether the sample has embrittlement or fracture | No embrittlement or fracture |
| Accelerated heat ageing | QC/T29106 | After the constant temperature test at 150°C/240 H, the appearance of the sample is confirmed to be brittle or fractured | No embrittlement or fracture |

Performance benchmarking and data

| Test items | Standard | Test method/judgment result | JDD test result |
|------------------------|-----------------|--|--|
| Abrasion Resistance | ISO6722-1 | Sandpaper abrasion: load 0.63N, 150J sandpaper belt, confirm the stroke of the sandpaper belt when the sample is worn out | > 2000mm |
| | | Needle grinding Scrape abrasion: load 7N, 0.4mm piano wire, 13mm mandrel, rotate 45 degrees, confirm the wear resistance level according to the host standard | GMW14327 ≥5Class (15000) |
| Fluid Resistance | GMW14327 | Put the product in contact with the liquid in the automobile engine room for 5 minutes at room temperature, and then wrap it on a 4-fold mandrel after 20 minutes. Observe that the sample does not crack or delamination | No signs of cracking or delamination |
| Flammability | UL94&GB / T2408 | Class V0 | Pass |
| | FMV SS302 | < 100 mm/min | Self-extinguish |
| Cold flexibility | QC/T29106 | After testing the hollow corrugated flexible conduit at -40°C/4H, wind it on a 4-fold mandrel and observe that the sample has no cracking or delamination | No signs of cracking or delamination . |
| Low temperature impact | QC/T29106 | Fill up to 75% of the corrugated flexible conduit sample assembly with PVC wire. After testing at -40°C/4H, under the condition of -40°C, 300g steel balls fall freely from a height of 100mm to impact the sample assembly, and observe whether the sample is cracked or broken | No signs of cracking or delamination |



Product Dimensions

| Model | Inside Diameter(ID)mm | Outside Diameter (OD)mm | Wall Thickness (T) mm | Packaging (M/Roll) |
|-------|-----------------------|--------------------------|-------------------------|----------------------|
| Φ5 | 5.5±0.3 | 8.5±0.3 | 0.25±0.05 | 200 |
| Φ7 | 7.0±0.3 | 10.0±0.3 | 0.27±0.05 | 200 |
| Φ8 | 8.5±0.3 | 11.0±0.3 | 0.30±0.05 | 200 |
| Φ10 | 10.0±0.3 | 13.0±0.3 | 0.30±0.05 | 100 |
| Φ12 | 12.0±0.4 | 15.8±0.4 | 0.30±0.05 | 100 |
| Φ14 | 14.5±0.4 | 18.5±0.4 | 0.32±0.05 | 100 |
| Φ17 | 17.0±0.4 | 21.2±0.4 | 0.32±0.05 | 100 |
| Φ21 | 21.0±0.4 | 25.0±0.4 | 0.35±0.05 | 100 |
| Φ23 | 23.0±0.4 | 28.5±0.4 | 0.35±0.05 | 50 |
| Φ29 | 29.0±0.4 | 34.5±0.4 | 0.40±0.05 | 50 |
| Φ36 | 36.0±0.4 | 42.5±0.4 | 0.45±0.05 | 25 |
| Φ48 | 48.0±0.4 | 54.5±0.4 | 0.50±0.05 | 25 |

Product composition and characteristics

- ◆ Braided of tinned copper wire + orange PET monofilament.
- ◆ Working temperature :-40°C to 150°C.
- ◆ Excellent shielding effectiveness and conductivity.
- ◆ Easy to install , flexibility,high temperature resistance,chemical resistance,good cold and hot impact and son on.
- ◆ Inside diameter : 3-64mm
- ◆ **Typical Application**
- ◆ Automotive wire harness
- ◆ **Application performance**
- ◆ BYD, Yutong

**Performance benchmarking and data**

| Test items | Standard | Test method/judgment result | JDD test result |
|-------------------------|------------------|--|------------------------------|
| Long-term thermal aging | SAE J2192 | 150°C/3000H constant temperature test, every 500h test, take out 5 samples from the oven and treat them at 23±2°C and 50±5%RH for 4 hours; at a constant speed, wrap the samples around every 10 seconds Test on a mandrel with a diameter equal to four times the nominal diameter of the sample to confirm whether the sample has embrittlement or fracture | No embrittlement or fracture |
| Accelerated heat ageing | ISO 188 method B | After the constant temperature test at 175°C/240 H, the samples were treated at 23±2°C and 50± 5% RH for 16 hours.At a constant rate of one turn every 10 seconds, the sample is wound on the mandle-axis with a diameter equal to four times the nominal diameter of the sample to verify whether the sample has brittle crack or fracture phenomenon | No embrittlement or fracture |

Performance benchmarking and data

| Test items | Standard | Test method/judgment result | JDD test result |
|-----------------------------|----------------|--|------------------------------|
| Salt spray test | IEC-60068-2-52 | Salt solution concentration:50±5g/l NaCl , the temperature in test chamber is 35±2°C. After circular test per standard required condition, the sample has no sign of corrosion. | PASS |
| Shielding effectiveness | GB/T 30142 | Plane material shielding effectiveness detection, 30MHZ~1GHZ frequency band detection, results are for reference | 90dB~50dB |
| Chemical Resistance | SAE J2192 | After testing with liquids such as engine oil, gasoline, ethanol, diesel, power steering fluid, automobile transmission fluid, engine coolant, brake fluid, battery acid, urea solution, etc., there is no embrittlement, fracture, or other forms of degradation or loss of flexibility | PASS |
| Low temperature flexibility | SAE J2192 | After - 40 °C / 4 h testing, keep the same testing environment winding the test sample 360°on a 4 times diameter(on the basis of sample diameter) mandrel,every 10 s winding a circle, visual check samples no cracking or degradation, no delamination of adhesive | No cracking and delamination |

THANK YOU

More information please check: www.jddtech.com.cn



www.jddtech.com.cn



www.jddtech.com