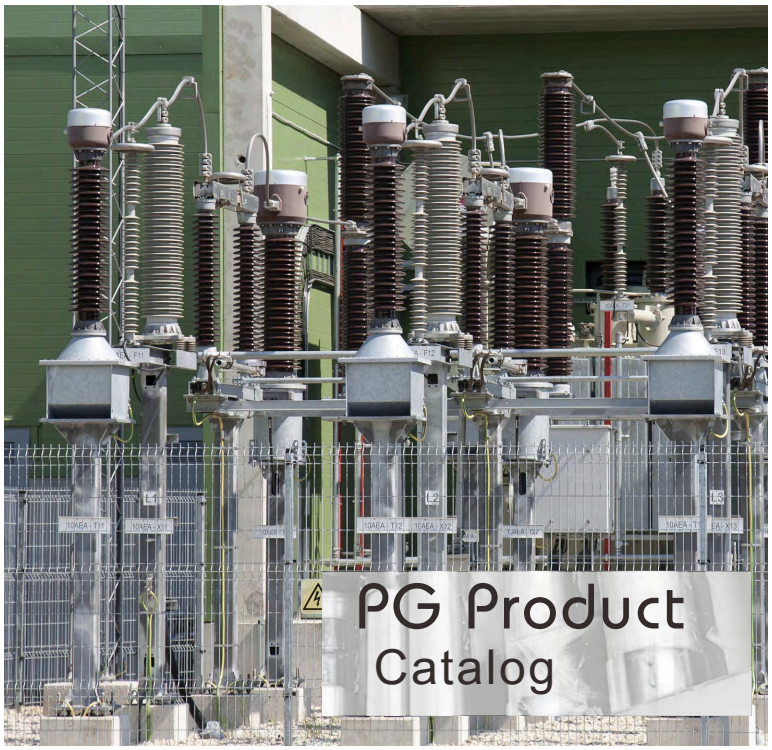
PETROLIA GLOBAL



PG-Petrolia Global Ltd

A variety of electrical products,make your installation easier

Product: Heat Shrink Tube and Insulation Tape

petrolia-global.co.uk

CE RoHS compliant UL UAFL c UL us LISTED

Why Choose PG Heat Shrink Tubing?

1. Safety First – UL Listed Protection

PG heat shrink tubing is UL listed, ensuring that every product meets or exceeds strict U.S. and international electrical and fire safety standards. This certification guarantees that PG tubing provides dependable electrical insulation, reduces fire risks, and offers consistent performance under rigorous conditions.

2. Durable and Reliable Performance

Made from cross-linked polyolefin, PG tubing retains its shape and protective qualities even under extreme temperatures, chemical exposure, and mechanical stress. It resists cracking, splitting, and deterioration—making it ideal for long-term industrial use.

3. Eco-Friendly & Low-Toxicity

PG is committed to sustainability. Our tubing is:

- Halogen-free, reducing toxic smoke emission during fires.
- RoHS and REACH compliant, limiting the use of hazardous substances.
- Safe for use in environmentally sensitive applications, including medical and consumer electronics.

4. Cost-Effective Over Time

The efficiency of PG tubing means:

- Faster installation times
- Reduced maintenance and rework
- Lower replacement costs

Its long service life offers excellent value for money and reliability in mission-critical installations.

5. Versatile Application

PG heat shrink tubing offers a tight, protective seal when heated, providing insulation, mechanical protection, and strain relief across a wide range of use cases.

Where to Use PG Heat Shrink Tubing

PG tubing is engineered for versatility and is used across numerous sectors:

Industry	Application Examples
Electrical & Power	Insulating cable joints, preventing short circuits, bundling wires
Automotive	Protecting engine bay and chassis wiring from oil, heat, and abrasion
Aerospace & Defense	High-reliability cable protection in extreme environments
Telecommunications	Sealing fiber optic cable splices, insulating connectors
Industrial Equipment	Shielding control panel wiring, protecting sensors, and cable entry points
Marine & Offshore	Moisture-resistant insulation for boat wiring and submerged components
Consumer Electronics	Neatly finishing and protecting wiring in devices and small appliances

Chemical Composition of PG Heat Shrink Tubing

PG tubing is formulated using cross-linked polyolefin, a tough, heat-shrinkable thermoplastic polymer known for its high dielectric strength and resilience. The core composition includes:

1. **Base Polymer:**
- Polyolefin (e.g., polyethylene or EVA copolymers) – offers flexibility and excellent shrink performance
2. **Cross-Linking Agents:**
- Enhance structural integrity and temperature resistance
3. **Flame Retardants (Halogen-free):**
- Phosphorus-based compounds to reduce flammability without releasing toxic halogen gases
4. **Antioxidants & UV Stabilizers:**
- Protect against thermal oxidation and environmental aging
5. **Colorants (Optional):**
- Used for wire coding and product differentiation

This composition ensures chemical resistance to oils, solvents, and fuels, while delivering electrical insulation that is stable and reliable across a wide temperature range.

Conclusion:

PG Brand heat shrink tubing is your go-to solution for safe, sustainable, and superior insulation and protection in industrial and commercial settings. With UL certification, eco-conscious manufacturing, and proven reliability, PG tubing helps safeguard operations while contributing to a greener, safer world.

PGHS-N

Thin wall halogen free,flexible heat shrink tubing.

Features

- Thin wall
- Flexible
- Halogen free
- Flame retardant
- Continuous operatingTemperature:-55°C to 125°C
- Fully shrink temperature:125°C
- RoHS and Sony compliant

Dimensions

Size		As Supplied	After Recovery		Standard Package
Inch	mm	Inner Diameter mm	Inner Diameter Max mm	Wall Thickness Nom mm	Spool Length M/spool
3/64	0.8	1.1±0.2	0.50	0.22	400
1/16	1.0	1.5±0.2	0.65	0.28	400
	1.5	2.0±0.2	0.85	0.32	400
3/32	2.0	2.5±0.2	1.00	0.35	400
	2.5	3.0±0.2	1.30	0.38	400
1/8	3.0	3.5±0.2	1.50	0.40	400
	3.5	4.0±0.2	1.80	0.42	400
	4.0	4.5±0.2	2.00	0.45	400
3/16	4.5	5.0±0.2	2.30	0.50	200
	5.0	5.5±0.2	2.50	0.55	200
1/4	6.0	6.5±0.2	3.00	0.55	200
5/16	7.0	7.5±0.3	3.50	0.55	100
	8.0	8.5±0.3	4.00	0.60	100
3/8	9.0	9.5±0.3	4.50	0.60	100
	10.0	10.5±0.3	5.00	0.60	100
	11.0	11.5±0.3	5.50	0.60	100
1/2	12.0	12.5±0.3	6.00	0.60	100
	13.0	13.5±0.3	6.50	0.65	100
	14.0	14.5±0.3	7.00	0.65	100
5/8	15.0	15.5±0.4	7.50	0.70	100
	16.0	16.5±0.4	8.00	0.70	100
	17.0	17.5±0.4	8.50	0.70	100
3/4	18.0	19.0±0.5	9.00	0.80	100
	20.0	21.0±0.5	10.00	0.80	100
	22.0	23.0±0.5	11.00	0.80	100
1	25.0	26.0±0.5	12.50	0.90	50
	28.0	29.0±0.5	14.00	0.90	50
1-1/4	30.0	31.5±1.0	15.00	0.95	50
	35.0	36.5±1.0	17.50	0.95	50
1-1/2	40.0	41.5±1.0	20.00	0.95	50
	45.0	46.5±1.0	22.50	1.00	25
2	50.0	≥50.0	25.00	1.00	25
	60.0	≥60.0	31.00	1.00	25
	70.0	≥70.0	36.00	1.10	25
3	80.0	≥80.0	41.00	1.20	25
	90.0	≥90.0	46.00	1.20	25
4	100.0	≥100.0	51.00	1.20	25
5	120.0	≥120.0	61.00	1.30	25
6	150.0	≥150.0	76.00	1.30	25
7	180.0	≥180.0	91.00	1.46	25

Technical Data

Property	Test Method	Typical Performance
Tensile strength(MPa)	ASTM D 2671	≥10.4
Ultimate elongation(%)	ASTM D 2671	≥200
Tensile strength after heat aged (Mpa)	158°CX168h	≥7.3
Ultimate elongation after heat aged (%)	158°CX168h	≥100
Longitudinal change	ASTM D 2671	-5%~+5%
Flammability	ASTM D 2671 C method	VW-1
Dielectric strength (kV/mm)	ASTM D 149	≥15
Volume resistivity (Ω · cm)	ASTM D 876	$\geq 10^{14}$

PGHS(TW)

Ultra thin wall halogen free,flexible heat shrink tubing.

Features

- Ultra thin wall
- Flexible
- Halogen free
- Flame retardant
- Fully shrink temperature:125°C
- RoHS and Sony compliant
- Continuous operatingTemperature:-55°C to 125°C

Dimensions

Size		As Supplied	After Recovery		Standard Package
Inch	mm	Inner Diameter mm	Inner Diameter mm	Wall Thickness mm	Spool Length M/spool
1/16	1.0	1.4±0.2	0.65	0.20	200
	1.5	1.9±0.2	0.85	0.20	200
3/32	2.0	2.4±0.2	1.00	0.22	200
	2.5	2.9±0.2	1.30	0.25	200
1/8	3.0	3.4±0.2	1.50	0.28	200
	3.5	3.9±0.2	1.80	0.28	200
	4.0	4.4±0.2	2.00	0.30	200
3/16	4.5	4.9±0.2	2.30	0.30	100
	5.0	5.5±0.2	2.50	0.32	100
1/4	6.0	6.5±0.2	3.00	0.32	100
5/16	7.0	7.5±0.3	3.50	0.32	200
	8.0	8.5±0.3	4.00	0.32	200
3/8	9.0	9.5±0.3	4.50	0.35	200
	10.0	10.5±0.3	5.00	0.35	200
	11.0	11.5±0.3	5.50	0.40	200
1/2	12.0	12.5±0.3	6.00	0.40	200
	13.0	13.5±0.3	6.50	0.40	200
	14.0	14.5±0.3	7.00	0.40	200
5/8	15.0	15.5±0.4	7.50	0.40	200
	16.0	16.5±0.4	8.00	0.40	200
	17.0	17.5±0.4	8.50	0.40	200
3/4	18.0	18.5±0.4	9.00	0.42	200
	20.0	20.5±0.5	10.00	0.45	200
	22.0	22.5±0.5	11.00	0.45	200
1	25.0	25.5±0.5	12.50	0.45	100

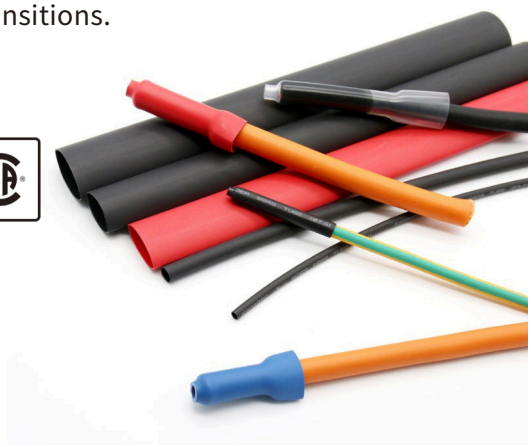
Technical Data

Property	Test Method	Typical Performance
Tensile strength(MPa)	ASTM D 2671	≥10.4
Ultimate elongation(%)	ASTM D 2671	≥200
Tensile strength after heat aged (Mpa)	158°CX168h	≥7.3
Ultimate elongation after heat aged (%)	158°CX168h	≥100
Longitudinal change	ASTM D 2671	-5%~+5%
Flammability	ASTM D 2671 C method	VW-1
Dielectric strength (kV/mm)	ASTM D 149	≥15
Volume resistivity (Ω · cm)	ASTM D 876	≥10^{14}

PGDW

Dual Wall Adhesive-Lined Polyolefin Heat Shrink Tubing

Adhesive lined heat shrink tubing with environmental sealing capability for a wide variety of electrical applications, including automotive and marine wire harness, wire splices, breakouts, and connector-to-cable transitions.



Features

- 3:1 shrink ratio
- Super sealing against water, moisture or other contaminates
- Continuous operating temperature:-45°C-125°C
- Fully shrink temperature:≥125°C

Dimensions

Size		Expanded	After Recovery			Standard Package
Inch	mm	Inner Diameter Min(mm)	Inner Diameter Max(mm)	Total Wall Thickness mm	Adhesive Thickness mm	Spool Length M/spool
3/32	2.4	2.4	0.8	0.80±0.30	0.40±0.20	200
1/8	3.2	3.2	1.0	0.90±0.30	0.40±0.20	200
3/16	4.8	4.8	1.6	1.05±0.30	0.40±0.20	100
1/4	6.4	6.4	2.2	1.25±0.30	0.45±0.20	100
5/16	7.9	7.9	2.7	1.35±0.30	0.50±0.20	100
3/8	9.5	9.5	3.2	1.45±0.30	0.50±0.20	50
1/2	12.7	12.7	4.2	1.65±0.30	0.50±0.20	1.22 OR 25M/Roll
5/8	15	15	5.2	1.80±0.30	0.55±0.30	1.22 OR 25M/Roll
3/4	19.1	19.1	6.3	1.95±0.30	0.60±0.30	1.22 OR 25M/Roll
1	25.4	25.4	8.5	2.00±0.40	0.60±0.30	1.22 OR 25M/Roll
1-1/4	30.0	30	10.2	2.15±0.40	0.65±0.30	1.22 OR 25M/Roll
1-1/2	39.0	39	13.5	2.45±0.40	0.60±0.30	1.22 OR 25M/Roll
2	50.0	50	17	2.75±0.40	0.75±0.30	1.22 OR 25M/Roll
5/2	64.0	64	21	3.05±0.40	0.80±0.30	1.22 OR 25M/Roll
3	75.0	75	25	3.05±0.40	1.05±0.40	1.22 OR 25M/Roll
7/2	90.0	90	30	3.10±0.50	1.05±0.40	1.22 OR 25M/Roll
4	100.0	100	34	3.10±0.50	1.05±0.40	1.22 OR 25M/Roll
5	125.0	125	42	3.10±0.50	1.10±0.40	1.22 OR 25M/Roll

Technical Data

Property	Test Method	Standard	Typical Performance
Tensile Strength(MPa)	ASTM D2671	≥10.4	13.78
Elongation(%)	ASTM D2671	≥200	460.62
Tensile Strength after aging (MPa)	UI224 158°CX168hr	≥7.3	11.34
Elongation after aging(%)	UI224 158°CX168hr	≥100	398.28
Flammability	ASTM D2671B	Pass	Pass
Dieletric strength(kV/mm)	IEC 60243	≥15	17.36
Volume resistivity(Ω.cm)	IEC 60093	$\geq 1X10^{14}$	$2.24X10^{14}$

Adhesive

Property	Test Method	Standard
Water Absorption	ASTM D570	<0.2%
Sofening Point(°C)	ASTM E28	95±5
Strength of peeling(PE)	ASTM D 1000	120N/25mm
Strength of peeling(AL)	ASTM D 1000	80N/25mm

PGHS-EUV

Flame retardant,multi-purpose heat shrink tubing

Features

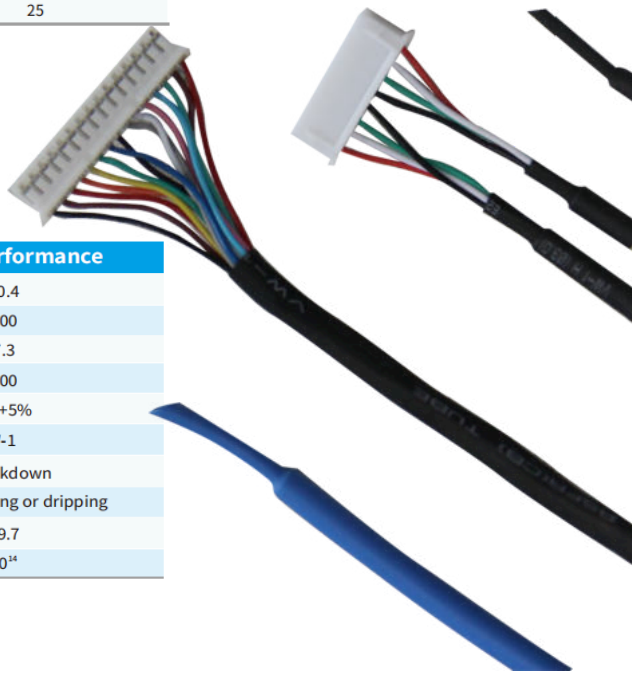
- Flexible
- Suitable for various applications
- Continuous Operating Temperature:-55°C to 135°C
- Fully shrink temperature:120°C
- RoHS compliant
- Meet SAE-AMS-DTL -23053/5 Class 1 and 3

Dimensions

Size		As Supplied	After Recovery		Standard Package
Inch	mm	Inner Diameter mm	Inner Diameter mm	Wall Thickness mm	Spool Length M/spool
3/64	1.0	≥1.20	≤0.60	0.41±0.10	200
1/16	1.5	≥1.60	≤0.80	0.43±0.10	200
3/32	2.5	≥2.40	≤1.20	0.51±0.10	200
1/8	3.0	≥3.20	≤1.60	0.51±0.10	200
3/16	4.5	≥4.80	≤2.40	0.51±0.10	100
1/4	6.0	≥6.40	≤3.20	0.64±0.10	100
3/8	9.0	≥9.50	≤4.80	0.64±0.10	100
1/2	12	≥12.7	≤6.40	0.64±0.10	100
3/4	18	≥19.1	≤9.50	0.76±0.15	100
1	25	≥25.4	≤12.7	0.89±0.15	50
5/4	32	≥32	≤15.9	0.89±0.15	50
3/2	38	≥38	≤19.1	1.00±0.15	50
2	50	≥51	≤25.4	1.15±0.15	25
3	75	≥76	≤38.1	1.27±0.20	25
4	100	≥102	≤50.8	1.40±0.20	25
5	120	≥125	≤63.5	1.40±0.25	25

Technical Data

Property	Test Method	Typical Performance
Tensile strength(MPa)	ASTM D 2671	≥10.4
Ultimate elongation(%)	ASTM D 2671	≥200
Tensile strength after heat aged (Mpa)	175°CX168h	≥7.3
Ultimate elongation after heat aged (%)	175°CX168h	≥100
Longitudinal change	ASTM D 2671	-5%~+5%
Flammability	ASTM D 2671 C method	VW-1
Voltage withstand	UL 224,2500V,60s	No breakdown
Heat shock	UL 224,250°C×4h	No cracks,flowing or dripping
Dielectric strength (kV/mm)	ASTM D 149	≥19.7
Volume resistivity (Ω · cm)	ASTM D 876	$\geq 10^{14}$



PAMS

Military Identification Sleeves

Description: AMS marker sleeves are designed to meet the wire and cable permanent marking needs. It is made of durable and flame-retardant heat-shrinkable polyolefin, and radiation cross-linked by high energy electronic beam.

Standard: AMS meets AMS-DTL-23053/5Class 1&3,SAE-AS 81531, MIL-STD-202F/Method 215J, UL224, VW-1, RoHS.

Features

Material	The sleeving shall be fabricated from irradiated, thermally stabilized and flame retarded modified polyolefin compound
Application range	Military industry; Aerospace & defense; Marine;
Operating temperature range	-55~+135°C
Minimum recovery temperature	+135°C
Maximum storage temperature	+50°C
Shrink ratio	2:1, 3:1
Color	White, Yellow, other color is available if ordered
Printing mode	Single sided printing and Double sided printing formats available
Supplied mode	Either Continuous type or Ladder format type is available
Recommended Printers	Either Thermal transfer printer or Laser printer is OK.
Recommended Ribbons	WO-80500BK resin ribbon, Black

Dimensions

Shrink ratio-2X

Part Number	As Supplied (mm)			After Recovery(mm)	
	ID (D)	Flatten Width (W)	Double Wall Thickness	ID (d)	Single Wall Thickness
AMS-M-2X-1.6-	2.00±0.20	3.7±0.3	0.48±0.10	≤0.79	0.45±0.06
AMS-M-2X-2.4-	2.79±0.20	5.0±0.3	0.48±0.10	≤1.18	0.49±0.06
AMS-M-2X-3.2-	3.64±0.23	6.3±0.4	0.48±0.10	≤1.59	0.51±0.06
AMS-M-2X-4.8-	5.26±0.25	8.9±0.4	0.49±0.10	≤2.36	0.54±0.06
AMS-M-2X-6.4-	6.92±0.28	11.5±0.4	0.50±0.10	≤3.18	0.56±0.06
AMS-M-2X-9.5-	10.2±0.32	16.7±0.5	0.51±0.11	≤4.75	0.59±0.06
AMS-M-2X-12.7-	13.5±0.36	21.8±0.6	0.52±0.11	≤6.35	0.60±0.07
AMS-M-2X-19.0-	20.1±0.40	32.2±0.6	0.53±0.11	≤9.53	0.62±0.07
AMS-M-2X-25.0-	26.7±0.45	42.5±0.7	0.55±0.12	≤12.70	0.63±0.07
AMS-M-2X-38.0-	39.8±0.51	63.2±0.8	0.57±0.12	≤19.10	0.64±0.07
AMS-M-2X-51.0-	53.0±0.56	83.9±0.9	0.58±0.13	≤25.40	0.64±0.08
AMS-M-2X-76.0-	79.4±0.56	125.3±1.0	0.59±0.13	≤38.10	0.64±0.09

Cont.

Shrink ratio-3X

Part Number	As Supplied (mm)			After Recovery(mm)	
	ID (D)	Flatten Width (W)	Double Wall Thickness	ID (d)	Single Wall Thickness
AMS-M-3X-1.6-	2.00±0.20	3.7±0.3	0.47±0.10	≤0.53	0.52±0.06
AMS-M-3X-2.4-	2.79±0.20	5.0±0.3	0.47±0.10	≤0.79	0.57±0.06
AMS-M-3X-3.2-	3.64±0.23	6.3±0.4	0.48±0.10	≤1.06	0.61±0.06
AMS-M-3X-4.8-	5.26±0.25	8.9±0.4	0.49±0.10	≤1.59	0.67±0.06
AMS-M-3X-6.4-	6.92±0.28	11.5±0.4	0.50±0.10	≤2.13	0.71±0.06
AMS-M-3X-9.5-	10.2±0.32	16.7±0.5	0.52±0.11	≤3.18	0.77±0.06
AMS-M-3X-12.7-	13.5±0.36	21.8±0.6	0.53±0.11	≤4.23	0.80±0.07
AMS-M-3X-19.0-	20.1±0.40	32.2±0.6	0.55±0.11	≤6.35	0.84±0.07
AMS-M-3X-25.0-	26.7±0.45	42.5±0.7	0.565±0.12	≤8.47	0.86±0.07
AMS-M-3X-38.0-	39.8±0.51	63.2±0.8	0.57±0.12	≤12.90	0.89±0.07
AMS-M-3X-51.0-	53.0±0.56	83.9±0.9	0.57±0.12	≤17.20	0.90±0.08
AMS-M-3X-76.0-	79.4±0.56	125.3±1.0	0.57±0.13	≤25.80	0.92±0.09

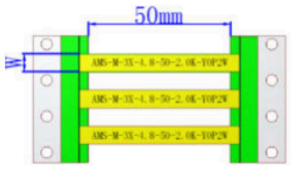
Package information

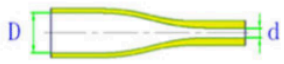
Ordering Size (AMS-M-2X/3X)	Ladder Format Type	Continuous Type	
	A&B-Small Box Packing (PCS/Box)	A-Paper reel Packing (m/reel)	B-Plastic reel Packing (m/reel)
Φ1.6	2500	50	25
Φ2.4	2500	50	25
Φ3.2	2000	100	25
Φ4.8	2000	100	25
Φ6.4	2000	100	25
Φ9.5	1000	100	25
Φ12.7	1000	100	25
Φ19.0	500	100	25
Φ25.0	500	100	25
Φ38.0	500	50	25
Φ51.0	250	50	25
Φ76.0	250	50	25

Part Numbering System

PAMS-M-3X-4.8-50-2.0K-Y 0 P2 W

- Package:W for WOLABLE painting package.O for OEM package
- Printing:P0/P1/P2 for printing/single-side printing/ double-side printing
- Dash line:0/1/2/3.....for not need/one line/two-line/three-line.....
- Color:Y for yellow, W for white and ten colors are available
- Standard pack:2.5K/2K/1.5K/1K/0.5K/0.25K/for 2500/...../500 and 250 pieces
- Sleeve length:nominal length is 50mm(the total length is 56.5 mm)
- Expanded ID:as supplid,nominal inside diameter
- Expansion ratio:2X/3X refers to 2:1or 3:1
- Standard wall thickness
- Product family:AMS refer to AMS-DTL-23053/5





UL Certificate

Certificate of Compliance

Certificate Number:
E548404

Report Reference:
E548404-20250624

Issue Date:
2025-JUNE-24

Issued to:

PETROLIA GLOBAL LTD
59 Raymond Road Upton Park London E13 0SP
United Kingdom

This certificate confirms that representative samples of:

TUBING, EXTRUDED INSULATING - COMPONENT

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

UL 224 and - Extruded Insulating Tubing

Additional Information:
See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

David Piecuch
UL Mark Certification Program Owner

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact UL Solutions Customer Service at https://www.ul.com/contact-us.

Form-ULID-019496 – ver 1.0

INSULATION TAPE

PG Insulation Tape is engineered for exceptional durability and dependable performance in both residential and industrial electrical applications. Made from high-quality PVC with strong adhesive backing, PG insulation tape offers superior resistance to abrasion, moisture, UV rays, and varying temperatures. Its robust construction ensures long-lasting insulation, even in demanding environments, helping to prevent electrical leakage, short circuits, and mechanical wear. Whether used for wire bundling, phase marking, or general insulation, PG insulation tape delivers consistent, secure coverage that professionals can rely on for safe and efficient installations.

PG Insulation Tape is a premium-grade electrical tape designed to deliver **reliable insulation, long-lasting protection, and cost-effective performance** across a range of electrical and industrial applications. With a strong commitment to safety, sustainability, and performance, PG insulation tape is UL listed, ensuring it meets the highest industry standards for quality and fire safety.

PG insulation tape is certified by **Underwriters Laboratories (UL)**, meaning it complies with strict electrical and flammability standards. It offers excellent dielectric strength and is flame-retardant, making it ideal for high-risk environments where electrical safety is critical.

PG tape is made from **low-VOC**, **lead-free**, and **RoHS-compliant materials**, making it a safer and more environmentally responsible choice. It is engineered to minimize environmental impact without compromising performance.

Despite its high-grade formulation and UL certification, PG insulation tape remains **budget-friendly,** offering outstanding value for contractors, electricians, and industrial users. It ensures low-cost maintenance and high efficiency in installation.

PG tape resists moisture, UV radiation, corrosion, abrasion, and weathering. Its **strong adhesive** ensures secure bonding on a wide variety of surfaces, while its flexibility allows it to wrap tightly around irregular shapes and corners without peeling or cracking.

PG insulation tape is ideal for use in:

· Electrical Wiring & Cable Insulation

· Splicing and Phase Identification

· Bundling and Harnessing Wires

· General Purpose Industrial Protection

· Maintenance and Repair of Electrical Systems

· Automotive and Marine Wiring Applications

It is suitable for both indoor and outdoor use, and can perform in temperatures ranging from -10°C to 80°C, depending on the variant.

PG insulation tape is primarily made from plasticized polyvinyl chloride (PVC), known for its flexibility, electrical insulation properties, and flame resistance.

Key components include:

1. Base Material:

- Polyvinyl Chloride (PVC) – Provides insulation and mechanical protection

2. Plasticizers:

- Improve flexibility and resistance to cracking in low temperatures

3. Adhesive:

- Rubber-based or acrylic adhesive – Offers strong initial tack and long-term bonding strength

4. Stabilizers & Flame Retardants:

- Used to enhance fire resistance and UV stability

5. Pigments:

- Non-toxic colorants for phase identification and visual clarity

This formulation ensures the tape remains safe, effective, and compliant with modern health, safety, and environmental regulations

PG Brand Insulation Tape combines certified safety, environmental responsibility, affordability, and durability into one versatile product. Whether you're managing complex industrial systems or simple residential wiring, PG insulation tape is the dependable choice that protects what powers your world.

Technical Data Sheet

113 | PVC Electrical Tape

PRODUCT DESCRIPTION:

113 is a general purpose vinyl electrical tape made of good quality PVC film coated with strong adhesive. It is soft and resilient, conformable to irregular surface, suitable for primary insulation for splices up to 600 volts, provides electrical and mechanical protection for wire harnesses and cable joints, offers good resistance to oil, moisture, alkalis, acid, corrosive chemicals. Variety of colors, can be used for color coding and marking. Flame retardant, Lead free.

TECHNICAL DATA:

Property	Typical Value	Unit	Test Method
Thickness	0.13	mm	IEC60454-2
Tensile Strength	20	N/cm	IEC60454-2
Elongation	200	%	IEC60454-2
Adhesion to Steel	2.5	N/cm	IEC60454-2
Adhesion to Backing	2.5	N/cm	IEC60454-2
Dielectric strength	40	KV/mm	IEC60454-2

AVAILABLE SIZES:

Width:19mm Length:

20, 25, 33m

COLORS:

Black White Red Blue Orange

Brown Yellow Violet Gray Green

Yellow/Green

Other sizes and colors are available on request. Shelf life: 2 years when stored in normal condition. Avoid direct sunlight. Store at 15 to 30℃, max 65% humidity to get best result.

Technical Data Sheet

218 | PVC Electrical Tape

PRODUCT DESCRIPTION:

218 is a high performance vinyl electrical tape made of high quality PVC film coated with strong adhesive. It is soft and resilient, conformable to irregular surface, suitable for primary insulation for splices up to 600 volts, provides electrical and mechanical protection for wire harnesses and cable joints, offers good resistance to oil, moisture, alkalis, acid, corrosive chemicals. Variety of colors, can be used for color coding and marking. Chemical resistant, flame retardant, Lead free.

TECHNICAL DATA:

Property	Typical Value	Unit	Test Method
Thickness	0.18	mm	ASTM-D-1000
Tensile Strength	28	N/cm	ASTM-D-1000
Elongation	250	%	ASTM-D-1000
Adhesion to Steel	2.8	N/cm	ASTM-D-1000
Adhesion to Backing	2.8	N/cm	ASTM-D-1000
Dielectric Strength	40	KV/mm	ASTM-D-1000
Temperature Rating	0-80	℃	ASTM-D-1000

AVAILABLE SIZES:

Width:19mm Length:

20, 25, 33m

COLORS:

Black White Red Blue Orange

Brown Yellow Violet Gray Green

Yellow/Green

Other sizes and colors are available on request. Shelf life: 2 years when stored in normal condition. Avoid direct sunlight. Store at 15 to 30℃, max 65% humidity to get best result.

UL Certificate

UL Product iQ®

UL Solutions

Insulating Tape

E534724

Trademark and/or Tradename: PETROLIA GLOBAL

Note: For additional marking information, refer to the Guide Information Page.

View model for additional information

Model(s): 218

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Get In Touch

PG-Petrolia Global Ltd

N59 Raymond Road, Upton Park, London E13 0SP

Email: dean@petrolia-global.co.uk

petrolia-global.co.uk