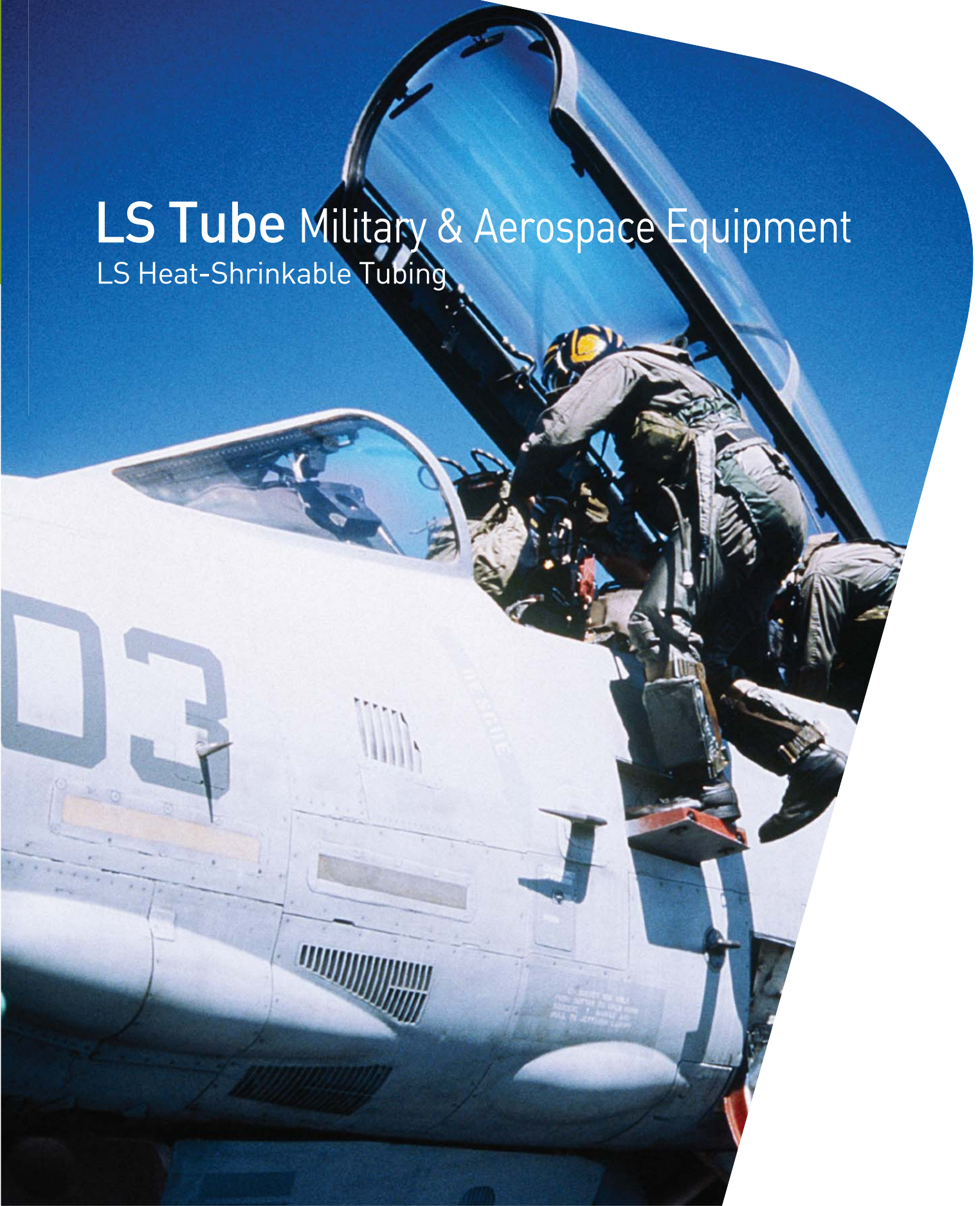




LS Tube Military & Aerospace Equipment

LS Heat-Shrinkable Tubing



LS Tube Military & Aerospace Equipment

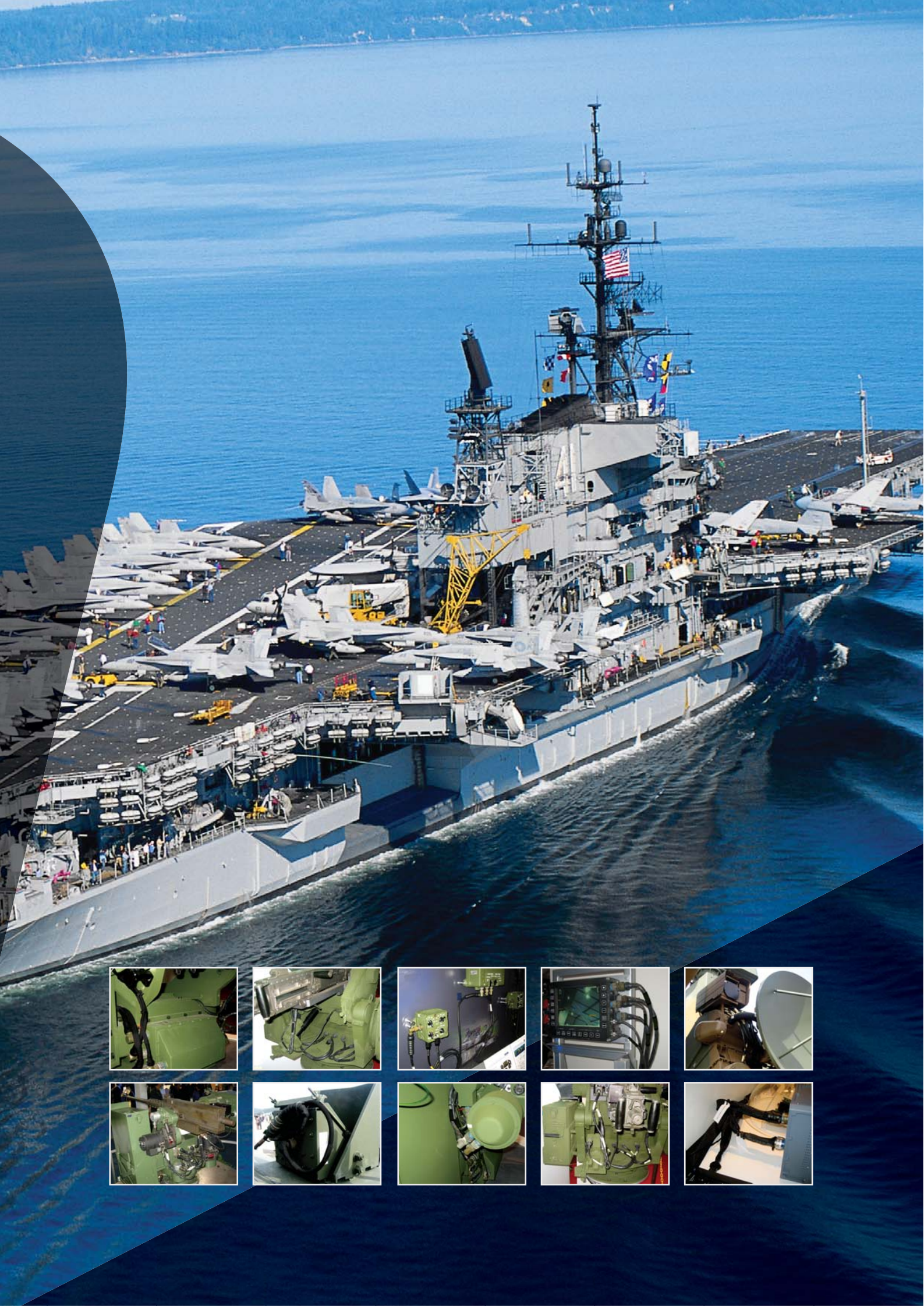
LS Heat-Shrinkable Tubing

LS Tube, a division of LS Cable, covers a complete range of heat-shrinkable tubing products, all of which are developed to meet industry requirements, including MIL-I-23053, UL and CSA.

Our cross link technology assures the reliable quality of our products and provides lot-to-lot consistency. Our commitment to develop solutions to address our customers' needs and challenges keep our heat shrink technology on the cutting edge and our know-how in the field more valuable.



This booklet covers most of our products and their detailed product information. On the next page you will be guided how to decode the serial number, quickly identify the features and specifications of products, and describe specific products to our sales representative. For a quick overview and selection of all products, please refer to Quick Selection Chart. If you have a question or request, please contact our Sales & Service team at offices worldwide, which are listed in Global Network. For the updates, please visit our website : www.lscable.com.



Quick Selection Chart

Type	Product	Shrink Ratio	Recovery Temperature (°C)	Operating Temperature (°C)	Voltage (V)	Flame Retardant	Adhesive	UL File No.	CSA File No.	Rachem Cross-reference	MIL Spec.	Standard Color	Special Color
Single Wall	GSHS-1635F	2:1	90	-55~135	600			E84393		RNF-100	MIL-I-23053/5		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-1635FYL/GN	2:1	90	-55~135	600			E84393		DCPT	MIL-I-23053/5		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-1635S	3:1	130	-55~135	600					CRN	MIL-I-23053/6		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-3635		90	-55~135	600			E84393		RNF3000	MIL-I-23053/5		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-4635	4:1	90	-55~135	600			E153276		RP4800	MIL-I-23053/5		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-3625LT	3:1	80	-55~135					LR55659	Versafit 3X	MIL-I-23053/15		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
Dual Wall	GSHS-3625WS	3:1	125	-55~110	600			E153276		SCL	MIL-I-23053/4 class1		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-3635W	3:1	120	-55~110	600			E153276		DWP-125 ATUM 3:1	MIL-I-23053/4 class3		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-4635W	4:1	120							ATUM 4:1	MIL-I-23053/4 class3		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-4635WT	4:1	120	-55~110	600			E153276		ATUM 4:1	MIL-I-23053/4 class3		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	LS-PHWT-FR	3:1	120	-55~120						FCSM	MIL-I-23053/15		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	LS-PHWT-FR-HF	3:1	120	-55~120						ZCSM	MIL-I-23053, MIL-I-23053/15		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	LS-PMWT-FR	3:1	120	-55~120						FCSM	DNV, ABS, MIL-I-23053/15		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	LS-PMWT-FR-HF	3:1	120	-55~120						ZCSM	MIL-I-23053, MIL-I-23053/15		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	GSHS-1625W	2:1	120	-55~110	600			E153276		TAT-125	MIL-I-23053/4 class2		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
Special	GSHS-1675	2:1	175	-55~175	600			E84393	LR55659	Kynar RW-175	MIL-I-23053/8 class1		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	LG-CRFR	2:1	135	-70~121						NT-FR	MIL-I-23053/8 class1&2		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	LG-DRET	2:1	135	-75~150						DR-25	MIL-I-23053/16		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
	LS-V200	2:1	100	-55~200						RW-200	MIL-I-23053/13, MIL-DTL-23053/13		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL
Non Heat-shrinkable	LG-GSP	3:1	90	-55~105						-	MIL-I-23053/5		Yellow Red Blue Green Gray Violet Orange Brown Clear YG/GL

White	Yellow	Red	Blue	Green	Gray	Violet	Orange	Brown	Clear	YG/GL
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For clear products, UL & CSA recognitions are not available (including flame retardant).

How to read the visual cues



This visual cue indicates that the product has such shrink ratio as shown.



This visual cue indicates that the product is flame retardant



This visual cue indicates that the product meets MIL Specifications.

GSHS-1635F



Flexible Polyolefin Tubing



- Size : 3/64 INCH~5 INCH
- Cross-reference : RNF-100

Special Features

- It has excellent flame retardance, flexibility, and insulation.

Application

- Suitable for various electric insulation, strain relief, and bonding of cables and connectors and widely applied for interconnection or termination.
- Light-duty harnessing, jacketing, bundling, and color coding of electric wires.

Key Specifications

- Operating temperature range : -55°C ~ 135°C
- Flammability : UL VW-1, -F- mark (except clear products)
- Minimum shrink temperature : 90°C
- Shrink ratio : 50% or more in radial direction
- Standards :
 - UL 224 (File No. E84393 : VW-1, 600V, 125°C, except clear products)
 - MIL-I-23053/5 : 600V, 135°C, Class 1 and Class 3, Class 2 (clear products only)

GSHS-1675



Rigid Polyvinylidene Fluoride Tubing



- Size : 3/64 INCH~1.5 INCH(40mm)
- Cross-reference : RW-175

Special Features

- It is specially designed for the environment where mechanical/chemical resistance is needed.
- It has excellent flame retardance and insulation.

Application

- Suitable for various electric insulation, strain relief, and bonding of cables and connectors and widely applied for interconnection or termination.
- Light-duty harnessing, jacketing, bundling, and color coding of electric wires.

Key Specifications

- Operating temperature range : -55°C ~ 175°C
- Flammability : UL VW-1, CSA OFT
- Minimum shrink temperature : 175°C
- Shrink ratio : 50% or more in radial direction
- Standards :
 - UL 224 (File No. E84393 : VW-1, 600V, 150°C)
 - CSA C22.2 (File No. LR55659 : OFT, 600V, 150°C)
 - MIL-I-23053/8 Class 1, 600V, 175°C)

LG-CRFR



Flexible Chlorinated Polyolefin Tubing



- Size : 3/32 INCH~2 INCH
- Cross-reference : NTFR

Special Features

- It has excellent retardance to fluid and solvent : lubricating oil, ground vehicle fuel, or hydraulic fluid.
- It has excellent flame retardance and insulation.

Application

- Suitable for various insulation and strain relief.
- Abrasion protection for cable harnessing and wire bundling for military industries.

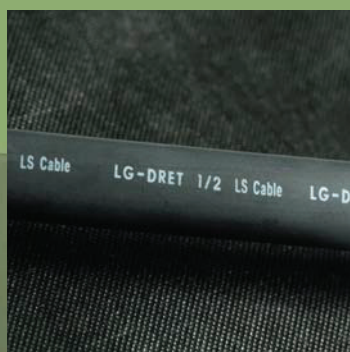
Key Specifications

- Operating temperature range : -70°C ~ 121°C
- Flammability : ASTM D 2671 Procedure A, C
- Minimum shrink temperature : 135°C
- Shrink ratio : 50% or more in radial direction
- Standards :
MIL-I-23053/1 Class 1 and Class 2

LG-DRET



Diesel-resistant, Flexible, Elastomeric Polyolefin Tubing



- Size : 3/32 INCH~2 INCH
- Cross-reference : DR-25

Special Features

- It has excellent retardance to fluid and solvent : lubricating oil, ground vehicle fuel, or hydraulic fluid.
- It has excellent flame retardance and insulation.

Application

- Suitable for various insulation and strain relief.
- Abrasion protection for cable harnessing and wire bundling for military industries.

Key Specifications

- Operating temperature range : -75°C ~ 150°C
- Flammability : ASTM D 2671 Procedure A, C
- Minimum shrink temperature : 135°C
- Shrink ratio : 50% or more in radial direction
- Standards :
MIL-I-23053/16

LS-V200

Fluoro Elastomeric Tubing



- Size : 3/32 INCH~2 INCH
- Cross-reference : RW-200

Special Features

- It has high resistance to impact and abrasion, chemical resistance

Application

- It has excellent resistance to a wide variety of fuels, lubricants, acids, and solvents at elevated temperatures
- It has flexibility at low temperatures without cracking

Key Specifications

- Operating temperature range : -55°C ~ 200°C
- Flammability : ASTM D 2671 Procedure A.
- Minimum shrink temperature : 175°C
- Shrink ratio : 50% or more in radial direction
- Standards :
MIL-I-23053/13 and MIL-DTL-23053/13

Always with Our Customers

LS Cable



LS Tube Military & Aerospace Equipment

12F~17F, LS Tower, 1026-6, Hoge-dong, Dongan-gu, Anyang-si, Gyeonggi-do, 431-080, Korea
Tel. 82-2-2189-9114

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