

# FLASHSHIELD™ – SAFETY IN LAYERS, WITHOUT ADDITIONAL BONDING

## PRODUCT DESCRIPTION:

FlashShield™ is CSA design certified to ANSI LC1 for “Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)” and ICC-ES PMG LC1027 for protective jacketed CSST. CSST supplies natural gas or liquefied petroleum gas (LP gas) to appliances. Simple hand tools such as tubing cutters, wrenches and the Jacket Stripping Tool are all that are needed to work with the FlashShield components. FlashShield is a reliable, cost-effective system that can be installed in all modes of construction: residential, commercial and industrial; new construction and retrofits.

FlashShield is a patent-pending metallically-shielded flexible gas piping system designed to create a lightning-resistant system. We started with a unique layer of metal shield, which is designed to dissipate heat and electricity. Then we placed the shield between two jackets of semi-conductive polymer. To complete the system, we redesigned our fittings to ensure seamless continuity with the shield. XR3 fittings are designed with a patent pending feature that contours the metal shield. This creates electrical continuity throughout the system. The FlashShield system eliminates the manufacturer’s requirement for direct bonding. The XR3 fitting requires minimal torque for easy fitting installation. With no o-rings or gaskets, the reusable brass components provide a reliable metal-to-metal gas-tight seal.

Recognized as a fuel gas piping material, FlashShield CSST listed to ANSI LC1 for “Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST)” and ICC-ES PMG LC1027 for protective jacketed CSST.

The FlashShield system is recognized by model building codes throughout North America.

## FEATURES & BENEFITS:

- Metallically-shielded gas piping system.
- Metal shield layer dissipates electricity.
- New fittings provide continuity with metal shield.
- No manufacturer-required direct bonding.
- No special routing requirements or restrictions.
- Only product that meets strict criteria of ICC-ES PMG LC1027
- Flexibility means quick and easy installations. FlashShield installs up to 70% faster than traditional piping methods.
- Pre-marked by the foot, there’s no measuring, rigid pipe cutting or threading. This means less waste and fewer fittings.
- 75% fewer fittings in the average installation means a safer system, less leak potential and reduced callbacks.
- FlashShield CSST is lightweight – 250 feet of 1/2" CSST weighs approximately 50 pounds and can be easily transported and handled on the job.
- Custom lengths of tubing and job-specific accessories for those large and multi-family projects can be easily obtained by a simple telephone call.
- Jacket complies with requirements of ASTM E84 25/50 index for flame and smoke.

**CUSTOMER SERVICE AND TECHNICAL SUPPORT ARE ONLY A PHONE CALL AWAY AT 1-800-662-0208.**



# FLASHSHIELD™ CORRUGATED STAINLESS STEEL TUBING (CSST):

## APPLICATION:

- CSST flexible gas piping supplies natural gas or liquefied petroleum gas to appliances.

## MATERIAL / SPECIFICATIONS:

- Tubing: ASTM A240 Type 304, Stainless Steel.
- Jacket: UV resistant Polyethylene complying with requirements of ASTM E84 25/50 Index for Flame and Smoke.

## FEATURES AND BENEFITS:

- Metallically-shielded gas piping system.
- Only product that meets strict criteria of ICC-ES PMG LC1027
- Flexibility and durability allows for simple routing through complex building structures and designs.
- Pre-marked by the foot for easy measuring and installation.
- Minimum tubing wall thickness of .010 on all sizes is more robust than other brands of CSST.
- Annealed 304 stainless steel makes tubing more flexible than brands not heat-treated.
- Metal shield for electrical continuity.



## FLASHSHIELD™ CORRUGATED STAINLESS STEEL TUBING (CSST)

Part No.	Description	Pkg. Qty.	Lbs.	Reel Size (Dia. X Width)
<b>FS-8-250</b>	<b>1/2" FlashShield™ Corrugated Stainless Steel Tubing</b>	<b>250 Ft/Coil</b>	<b>49.5</b>	<b>20" x 12-1/2"</b>
FS-8-50*		50 Ft/Box	8.3	21" x 6"
FS-8-125		125 Ft/Coil	28.8	20" x 12-1/2"
FS-8-500		500 Ft/Coil	95	24" x 25"
FS-8-1000		1,000 Ft/Coil	187	32" x 21-1/2"
FS-8-1500		1,500 Ft/Coil	270	32" x 21-1/2"
<b>FS-11-250</b>	<b>3/4" FlashShield™ Corrugated Stainless Steel Tubing</b>	<b>250 Ft/Coil</b>	<b>64.3</b>	<b>24" x 25"</b>
FS-11-50*		50 Ft/Box	10.5	21" X 6"
FS-11-125		125 Ft/Coil	34.1	20" X 12-1/2"
FS-11-500		500 Ft/Coil	116.5	24" x 25"
FS-11-1000		1,000 Ft/Coil	230	32" x 21-1/2"
<b>FS-16-150</b>	<b>1" FlashShield™ Corrugated Stainless Steel Tubing</b>	<b>150 Ft/Coil</b>	<b>58.1</b>	<b>24" x 25"</b>
FS-16-50		50 Ft/Box	23.4	20" x 12-1/2"
FS-16-75		75 Ft/Coil	31	20" x 12-1/2"
FS-16-300		300 Ft/Coil	104.1	24" x 25"
FS-16-500		500 Ft/Coil	174.5	32" x 21-1/2"
<b>FS-20-150</b>	<b>1 1/4" FlashShield™ Corrugated Stainless Steel Tubing</b>	<b>150 Ft/Coil</b>	<b>69</b>	<b>24" x 26-1/2"</b>
FS-20-50		50 Ft/Coil	28	21" x 12"
FS-20-75		75 Ft/Coil	37	21" x 12"
FS-20-300		300 Ft/Coil	135	32" x 24-1/2"
<b>FS-24-150</b>	<b>1-1/2" FlashShield™ Corrugated Stainless Steel Tubing</b>	<b>150 Ft/Coil</b>	<b>91.0</b>	<b>24" x 26.5"</b>
FS-24-50		50 Ft/Coil	35.0	21" x 20"
FS-24-75		75 Ft/Coil	48.0	21" x 20"
FS-24-300		300 Ft/Coil	177.0	24" x 26.5"
<b>FS-32-150</b>	<b>2" FlashShield™ Corrugated Stainless Steel Tubing</b>	<b>150 Ft/Coil</b>	<b>143.0</b>	<b>36" x 26.5"</b>
FS-32-50		50 Ft/Coil	72.0	36" x 26.5"
FS-32-75		75 Ft/Coil	89.0	36" x 26.5"

\*Packaged in box.

Please contact Gastite Customer Service for custom lengths.



## FLASHSHIELD CSST — IT'S SAFETY IN LAYERS, WITHOUT ADDITIONAL BONDING.



Gastite's revolutionary new FlashShield CSST provides more layers of resistance than any other CSST, while eliminating additional manufacturer-required direct bonding. FlashShield is the only flexible gas piping system to meet strict criteria of ICC-ES PMG LC1027. We started with a unique layer of metal shield, which is designed to dissipate heat and electricity. Then we placed the shield between two

jackets of semi-conductive polymer. To complete the system, we re-designed our fittings to ensure seamless continuity with the shield. Add it all up, and the FlashShield CSST system gives you a level of lightning resistance that's simply unprecedented.



Metal shield layer dissipates electricity



New fittings provide continuity with metal shield



NO manufacturer-required direct bonding



Two semi-conductive polymer jackets surround layer of metal shield for extra protection