

FLASHSHIELD™ – SAFETY IN LAYERS, WITHOUT ADDITIONAL BONDING

PRODUCT DESCRIPTION:

FlashShield™ is CSA design certified to ANSI LC1-2005 for “Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST).” CSST supplies natural gas or liquefied petroleum gas (LP gas) to appliances. Simple hand tools such as tubing cutters, wrenches and utility knives 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 multi-layered CSST product designed to create a lightning-resistant system. We started with a unique layer of metal mesh, which is designed to dissipate heat and electricity. Then we placed the mesh between two jackets of semi-conductive polymer. To complete the system, we redesigned our fittings to ensure seamless continuity with the mesh. FlashShield fittings are designed with a patent pending feature that bites through the first layer of semi conductive polymer and into the metal mesh. This creates electrical continuity throughout the system. The FlashShield system eliminates the manufacturer’s requirement for direct bonding. The fitting’s sealing surface does not sit on the cut end of the tubing, so even the most unsightly cut will yield a tight seal. The FlashShield fitting requires minimal torque for easy fitting installation. With no o-rings or gaskets, the reusable brass components provide a reliable metal-to-metal installation.

Recognized as a fuel gas piping material, FlashShield CSST complies with ANSI LC1-2005 for “Fuel Gas Piping Systems Using Corrugated Stainless Steel Tubing (CSST).”

The FlashShield system is listed by several independent third party laboratories and is recognized by model building codes throughout North America.

FEATURES & BENEFITS:

- Metallicly-shielded gas piping system.
- Metal mesh layer dissipates electricity.
- New fittings provide continuity with metal mesh.
- No manufacturer-required direct bonding.
- No special routing requirements or restrictions.
- Only product that meets strict criteria of both LC1024 & LC1027
- Flexibility means quick and easy installations. FlashShield installs 30-70% 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™ FITTINGS:

APPLICATION:

- Straight Fittings connect the flexible gas tubing to gas supply, distribution manifolds or gas appliances.
- Couplings allow for the splicing and additions to the flexible gas tubing.
- Termination Fittings create a fixed point "stub-out" on a wall or floor surface.
- Termination Bracket Fittings provide a secure attachment point for key-valves and as an alternate termination point.

MATERIAL / SPECIFICATIONS:

- Fitting adapter, bushings and nut – Brass.
- Square Flange – Steel with zinc coating or cast bronze.

FEATURES AND BENEFITS:

- Jacket-Bite™ for continuous conductivity.
- Tool-less flare design; no special tools are required.
- Metal-to-metal seal, with no split rings, O-rings or gaskets.
- Self-guiding assembly to ensure a perfectly even flare.
- Exclusive, patented Jacket-Lock fitting eliminates exposed stainless steel beyond the nut.
- All components are fully reuseable.
- All FlashShield (FS) Fittings and Tees can be used with Yellow Gastite CSST



Straight Fitting

FLASHSHIELD™ STRAIGHT FITTING (ADAPTER/NUT/BUSHING)

Part No.	Description	Pkg. Qty.	Lbs./Box
FSFTG-8-24	1/2" FlashShield™ Straight Fitting - 1/2" NPT	24/Box	7.2
FSFTG-11-24	3/4" FlashShield™ Straight Fitting - 3/4" NPT	24/Box	10.4
FSFTG-16-12	1" FlashShield™ Straight Fitting - 1" NPT	12/Box	7.9
FSFTG-20-6	1-1/4" FlashShield™ Straight Fitting - 1-1/4" NPT	6/Box	6.2



Straight Female Fitting

FLASHSHIELD™ STRAIGHT FEMALE FITTING (ADAPTER/NUT/BUSHING)

Part No.	Description	Pkg. Qty.	Lbs./Box
FSFTGFM-8-24	1/2" FlashShield™ Straight Fitting - 1/2" Female NPT	24/Box	7.6
FSFTGFM-11-8-24	3/4" FlashShield™ Straight Fitting - 1/2" Female NPT	24/Box	11.2
FSFTGFM-11-24	3/4" FlashShield™ Straight Fitting - 3/4" Female NPT	24/Box	11.2



Reducing Fitting

FLASHSHIELD™ REDUCING FITTING (ADAPTER/NUT/BUSHING)

Part No.	Description	Pkg. Qty.	Lbs./Box
FSREDFTG-11-08-24	3/4" FlashShield™ Reducing Fitting - 1/2" NPT	24/Box	9.6
FSREDFTG-16-12-12	1" FlashShield™ Reducing Fitting - 3/4" NPT	12/Box	7.7



Coupling

FLASHSHIELD™ COUPLING FITTINGS

Part No.	Description	Pkg. Qty.	Lbs./Box
FSCPL-8-12	1/2" FlashShield™ Coupling	12/Box	5.8
FSCPL-11-12	3/4" FlashShield™ Coupling	12/Box	8.8
FSCPL-16-6	1" FlashShield™ Coupling	6/Box	6.7
FSCPL-20-6	1-1/4" FlashShield™ Coupling	6/Box	9.5



Termination Fitting with Square Flange

FLASHSHIELD™ TERMINATION FITTING (FLANGE/ADAPTER/NUT/BUSHING)

Part No.	Description	Pkg. Qty.	Lbs./Box
FSTRM-8-12	1/2" FlashShield™ Term. Fitting w/ Square Flange - 1/2" NPT	12/Box	10.0
FSTRM-11-12	3/4" FlashShield™ Term. Fitting w/ Square Flange - 3/4" NPT	12/Box	13.7
FSTRM-16-6	1" FlashShield™ Term. Fitting w/ Square Flange - 1" NPT	6/Box	10.8
FSTRM-20-6	1-1/4" FlashShield™ Term. Fitting - 1-1/4" NPT	6/Box	6.4



Termination Fitting with No Flange

FLASHSHIELD™ TERMINATION FITTING WITH BRONZE FLANGE (FLANGE/ADAPTER/NUT/BUSHING)

Part No.	Description	Pkg. Qty.	Lbs./Box
FSTRM-8-12CB	1/2" FlashShield™ Term. Fitting w/ Bronze Flange - 1/2" NPT	12/Box	10.0
FSTRM-11-12CB	3/4" FlashShield™ Term. Fitting w/ Bronze Flange - 3/4" NPT	12/Box	13.7
FSTRM-16-6CB	1" FlashShield™ Term. Fitting w/ Bronze Flange - 1" NPT	6/Box	10.8
FSTRM-20-6CB	1-1/4" FlashShield™ Term. Fitting w/ Bronze Flange - 1-1/4" NPT	6/Box	14.4



Termination Bracket Fitting

FLASHSHIELD™ TERMINATION FITTING WITH NO FLANGE (ADAPTER/NUT/BUSHING)

Part No.	Description	Pkg. Qty.	Lbs./Box
FSTRM-8-NF-12	1/2" FlashShield™ Term. Fitting - 1/2" NPT (no flange)	12/Box	4.2
FSTRM-11-NF-12	3/4" FlashShield™ Term. Fitting - 3/4" NPT (no flange)	12/Box	6.1
FSTRM-16-NF-6	1" FlashShield™ Term. Fitting - 1" NPT (no flange)	6/Box	4.7
FSTRM-20-NF-6	1-1/4" FlashShield™ Term. Fitting - 1-1/4" NPT (no flange)	6/Box	4.4

FLASHSHIELD™ TERMINATION BRACKET FITTING (BRACKET/ADAPTER/NUT/BUSHING)

Part No.	Description	Pkg. Qty.	Lbs./Box
FSTRMBKT-8-12	1/2" FlashShield™ Term. Bracket Fitting - 1/2" NPT	12/Box	6.4
FSTRMBKT-11-12	3/4" FlashShield™ Term. Bracket Fitting - 3/4" NPT	12/Box	8.4
FSTRMBKT-16-6	1" FlashShield™ Term. Bracket Fitting - 1" NPT	6/Box	6.9
FSTRMBKT-20-6	1-1/4" FlashShield™ Term. Bracket Fitting - 1-1/4" NPT	6/Box	8.8