## For Residential and Commercial Applications

Job Name:	Engineer/Architect:
Job Location:	Wholesaler:
Culturalitad Data.	Combination

# CSSL 1/4" ID (3/8" OD) Coated Gas Appliance Connectors

**Use:** For use with indoor and outdoor connections of gas appliances to gas piping system. May be used with natural, manufactured, mixed and liquefied petroleum (LP or propane) gases and LP gas-air mixtures

#### **Design Features:**

- Superior corrosion resistance to harsh chemicals found in most common household cleaning, plumbing repair, and masonry products when compared with uncoated gas connectors
- UV rays and salt resistant, ProCoat<sup>®</sup> connectors are certified for indoor and outdoor use
- Strong and flexible with greater depth and number of corrugations to withstand greater torque & bend cycles
- Meets industry standards for torsion without compromising the integrity of the coating or connector
- Meets industry standard for repeated bending without compromising the integrity of the coating or connector
- One-piece construction has no soldered of brazed joints
- Smoother, burnished flare on connector ends seal with less torque
- Uniform coat over entire length of connector for complete corrosion resistance of the stainless steel core
- 100% leak tested

## **Operating Specifications:**

Temperature: -40° to 150° F

standard line pressures up to 1/2 PSI maximum Pressure:





CONNECTOR FLOW CAPACITY (Straight Length)								
	12"	18"	24"	30"	36"	48"	60"	72"
BTU per Hour (NG)	48,000	43,800	40,000	36,400	33,400	28,300	24,900	23,100
BTU per Hour (LPG)	76,800	70,080	64,000	58,240	53,440	45,280	39,840	36,960
Watts per Hour (NG)	14,067	12,837	11,723	10,668	9,789	8,294	7,297	6,770

CONNECTOR MATERIAL SPECIFICATIONS					
<b>Tubing</b> Stainless steel					
Coating	Polymer blend				
Nuts	Steel, plated				
Fittings	Steel, plated				

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Connectors with Fittings (con't)

Com	rectors with Fittin	gs (con t)
Ц	CSSL44-12	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 12" length
$\sqcup$	CSSL11-12	1/4" ID (3/8" OD) with 3/4" MIP x 3/4" MIP fittings x 12" length
	CSSL11-18	1/4" ID (3/8" OD) with 3/4" MIP x 3/4" MIP fittings x 18" length
	CSSL11-24	1/4" ID (3/8" OD) with 3/4" MIP x 3/4" MIP fittings x 24" length
Ц	CSSL11-30	1/4" ID (3/8" OD) with 3/4" MIP x 3/4" MIP fittings x 30" length
	CSSL11-36	1/4" ID (3/8" OD) with 3/4" MIP x 3/4" MIP fittings x 36" length
	CSSL11-48	1/4" ID (3/8" OD) with 3/4" MIP x 3/4" MIP fittings x 48" length
	CSSL11-60	1/4" ID (3/8" OD) with 3/4" MIP x 3/4" MIP fittings x 60" length
	CSSL11-72	1/4" ID (3/8" OD) with 3/4" MIP x 3/4" MIP fittings x 72" length
	CSSL44-18	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 18" length
	CSSL44-24	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 24" length
	CSSL44-30	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 30" length
	CSSL44-36	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 36" length
	CSSL44-36 P	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 36" length, bagged
	CSSL44-48	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 48" length
	CSSL44-48 P	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 48" length, bagged
	CSSL44-60	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 60" length
	CSSL44-60 P	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 60" length, bagged
	CSSL44-72	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 72" length
	CSSL44-72 P	1/4" ID (3/8" OD) with 1/2" MIP x 1/2" MIP fittings x 72" length, bagged
	CSSL47-18	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" MIP fittings x 18" length
	CSSL47-24	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" MIP fittings x 24" length
	CSSL47-30	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" MIP fittings x 30" length
	CSSL47-36	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" MIP fittings x 36" length
	CSSL77-12	1/4" ID (3/8" OD) with 3/8" MIP x 3/8" MIP fittings x 12" length
	CSSL77-18	1/4" ID (3/8" OD) with 3/8" MIP x 3/8" MIP fittings x 18" length
	CSSL77-24	1/4" ID (3/8" OD) with 3/8" MIP x 3/8" MIP fittings x 24" length
	CSSL77-30	1/4" ID (3/8" OD) with 3/8" MIP x 3/8" MIP fittings x 30" length
	CSSL77-36	1/4" ID (3/8" OD) with 3/8" MIP x 3/8" MIP fittings x 36" length
	CSSL77-48	1/4" ID (3/8" OD) with 3/8" MIP x 3/8" MIP fittings x 48" length
	CSSL48-12	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" FIP fittings x 12" length
	CSSL48-18	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" FIP fittings x 18" length
	CSSL48-24	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" FIP fittings x 24" length
	CSSL48-30	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" FIP fittings x 30" length
	CSSL48-36	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" FIP fittings x 36" length
	CSSL48-48	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" FIP fittings x 48" length
	CSSL48-60	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" FIP fittings x 60" length
	CSSL48-72	1/4" ID (3/8" OD) with 1/2" MIP x 3/8" FIP fittings x 72" length
	CSSL55-12	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" FIP fittings x 12" length
	CSSL55-18	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" FIP fittings x 18" length
$\Box$	CSSL55-24	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" FIP fittings x 24" length
	CSSL55-30	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" FIP fittings x 30" length
同	CSSL55-36	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" FIP fittings x 36" length
$\sqcap$	CSSL55-48	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" FIP fittings x 48" length
$\Box$	CSSL58-48	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" FIP fittings x 48" length
	CSSL58-48 P	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" FIP fittings x 48" length, bagged
	CSSL88-12	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 12" length
	CSSL88-12 X	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 12" length, bagged, cut case
Ш	CSSL88-18	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 18" length

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Connectors with Fittings (con't)

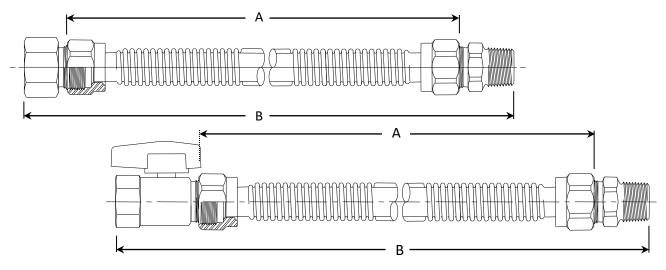
Com	iectors with Fitting	ys (con t)
	CSSL88-24	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 24" length
	CSSL88-24 K12	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 24" length, 12 per carton
	CSSL88-30 K12	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 30" length, 12 per carton
	CSSL88-36	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 36" length
	CSSL88-48	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 48" length
	CSSL88-60	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" FIP fittings x 60" length
	CSSL54-12	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 12" length
	CSSL54-12 P	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 12" length, bagged
	CSSL54-18	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 18" length
	CSSL54-18 P	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 18" length, bagged
	CSSL54-18 X	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 18" length, bagged, cut case
	CSSL54-24	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 24" length
	CSSL54-24 P	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 24" length, bagged
	CSSL54-24 X	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 24" length, bagged, cut case
	CSSL54-24 X10	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 24" length, bagged, carton of 10
	CSSL54-30	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 30" length
	CSSL54-30 P	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 30" length, bagged
	CSSL54-30 X	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 30" length, bagged, cut case
	CSSL54-36	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 36" length
	CSSL54-36 P	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 36" length, bagged
	CSSL54-36 X	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 36" length, bagged, cut case
	CSSL54-48	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 48" length
	CSSL54-48 P	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 48" length, bagged
	CSSL54-48 X	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 48" length, bagged, cut case
	CSSL54-60	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 60" length
	CSSL54-60 P	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 60" length, bagged
	CSSL54-72	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 72" length
	CSSL54-72 P	1/4" ID (3/8" OD) with 1/2" FIP x 1/2" MIP fittings x 72" length, bagged
	CSSL57-12	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" MIP fittings x 12" length
	CSSL57-18	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" MIP fittings x 18" length
	CSSL57-24	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" MIP fittings x 24" length
	CSSL57-30	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" MIP fittings x 30" length
	CSSL57-36	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" MIP fittings x 36" length
	CSSL57-36 P	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" MIP fittings x 36" length, bagged
	CSSL57-48	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" MIP fittings x 48" length
	CSSL57-60	1/4" ID (3/8" OD) with 1/2" FIP x 3/8" MIP fittings x 60" length
	CSSL87-12	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 12" length
	CSSL87-18	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 18" length
	CSSL87-18 P	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 18" length, bagged
	CSSL87-24	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 24" length
	CSSL87-24 P	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 24" length, bagged
	CSSL87-24 X10	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 24" length, bagged, cut case of 10
	CSSL87-30	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 30" length
	CSSL87-36	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 36" length
	CSSL87-36 P	1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 36" length, bagged
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#### Connectors with Fittings (con't) CSSL87-36 X 1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 48" length, bagged, cut case 1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 48" length CSSL87-48 CSSL87-48 P 1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 48" length, bagged CSSL87-60 1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 60" length CSSL87-60 P 1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 60" length, bagged CSSL87-72 P 1/4" ID (3/8" OD) with 3/8" FIP x 3/8" MIP fittings x 72" length, bagged Connectors with Fitting & Gas Ball Valve CSSL4M-12 1/4" ID (3/8" OD) with 1/2" MIP fitting x 1/2" FIP ball valve x 12" length 1/4" ID (3/8" OD) with 1/2" MIP fitting x 1/2" FIP ball valve x 18" length CSSL4M-18 CSSL4M-24 1/4" ID (3/8" OD) with 1/2" MIP fitting x 1/2" FIP ball valve x 24" length 1/4" ID (3/8" OD) with 1/2" MIP fitting x 1/2" FIP ball valve x 30" length CSSL4M-30 CSSL4M-36 1/4" ID (3/8" OD) with 1/2" MIP fitting x 1/2" FIP ball valve x 36" length CSSL4M-48 1/4" ID (3/8" OD) with 1/2" MIP fitting x 1/2" FIP ball valve x 48" length 1/4" ID (3/8" OD) with 1/2" MIP fitting x 1/2" FIP ball valve x 60" length CSSL4M-60 CSSL4M-72 1/4" ID (3/8" OD) with 1/2" MIP fitting x 1/2" FIP ball valve x 72" length 1/4" ID (3/8" OD) with 3/8" MIP fitting x 1/2" FIP ball valve x 12" length CSSL7M-12 1/4" ID (3/8" OD) with 3/8" MIP fitting x 1/2" FIP ball valve x 18" length CSSL7M-18 1/4" ID (3/8" OD) with 3/8" MIP fitting x 1/2" FIP ball valve x 24" length CSSL7M-24 1/4" ID (3/8" OD) with 3/8" MIP fitting x 1/2" FIP ball valve x 30" length CSSL7M-30 CSSL7M-36 1/4" ID (3/8" OD) with 3/8" MIP fitting x 1/2" FIP ball valve x 36" length CSSL7M-48 1/4" ID (3/8" OD) with 3/8" MIP fitting x 1/2" FIP ball valve x 48" length 1/4" ID (3/8" OD) with 1/2" FIP fitting x 1/2" FIP ball valve x 36" length CSSL5M-36 CSSL8M-12 1/4" ID (3/8" OD) with 3/8" FIP fitting x 1/2" FIP ball valve x 12" length 1/4" ID (3/8" OD) with 3/8" FIP fitting x 1/2" FIP ball valve x 18" length CSSL8M-18 CSSL8M-24 1/4" ID (3/8" OD) with 3/8" FIP fitting x 1/2" FIP ball valve x 24" length 1/4" ID (3/8" OD) with 3/8" FIP fitting x 1/2" FIP ball valve x 36" length CSSL8M-36 CSSL8M-48 1/4" ID (3/8" OD) with 3/8" FIP fitting x 1/2" FIP ball valve x 48" length CSSL8M-48 P 1/4" ID (3/8" OD) with 3/8" FIP fitting x 1/2" FIP ball valve x 48" length, bagged **Connectors Less Fittings** (Connectors without fittings are NOT CSA design-certified) CSSLNN-10N 1/4" ID (3/8" OD) x 10" length, no fittings 1/4" ID (3/8" OD) x 16" length, no fittings CSSLNN-16N CSSLNN-22N 1/4" ID (3/8" OD) x 22" length, no fittings CSSLNN-28N 1/4" ID (3/8" OD) x 28" length, no fittings 1/4" ID (3/8" OD) x 34" length, no fittings CSSLNN-34N CSSLNN-46N 1/4" ID (3/8" OD) x 46" length, no fittings 1/4" ID (3/8" OD) x 58" length, no fittings CSSLNN-58N 1/4" ID (3/8" OD) x 70" length, no fittings CSSLNN-70N

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PART DIMENSIONS (Inches)									
Connector Length – Nut by Nut									
Model	DIM.	12"	18"	24"	30"	36"	48"	60"	72"
CSSL	Α	10.50/	16.50 /	22.50/	28.50 /	34.50 /	46.50 /	58.50 /	70.50 /
		11.25	17.25	23.25	29.75	35.75	48.75	60.25	72.25

PART DIMENSIONS (Inches)									
Connector Lengths – with Fittings									
Model	DIM.	12"	18"	24"	30"	36"	48"	60"	72"
CSSL44	В	13.00 /	19.00 /	25.00 /	30.00 /	37.00 /	49.00 /	61.00 /	73.00 /
		13.75	19.75	25.75	32.25	38.25	51.25	62.75	74.75
CSSL47	В	12.75 /	18.75 /	24.75 /	29.75 /	36.75 /	48.75 /	60.75 /	72.75 /
		13.50	19.50	25.50	32.00	38.00	51.00	62.50	74.50
CSSL77	В	12.50/	18.50/	24.50 /	30.50 /	36.50 /	48.50 /	60.50 /	72.50 /
		13.25	19.25	25.25	31.75	37.75	50.75	62.25	74.25
CSSL48	В	12.60/	18.60/	24.60 /	30.60 /	36.60 /	48.60 /	60.60 /	72.60 /
		13.35	19.35	25.35	31.85	37.85	50.85	62.35	74.35
CSSL55	В	12.34 /	18.34 /	24.34 /	30.34 /	36.34 /	48.34 /	60.34 /	72.34 /
		13.09	19.09	25.09	31.59	37.59	50.59	62.09	74.09
CSSL88	В	12.20/	18.20/	24.20 /	30.20 /	36.20 /	48.20 /	60.20 /	72.20 /
		12.95	18.95	24.95	31.45	37.45	50.45	61.95	73.95
CSSL54	В	12.67 /	18.67 /	24.67 /	30.67 /	36.67 /	48.67 /	60.67 /	72.67 /
		13.42	19.42	25.42	31.92	37.92	50.92	62.42	74.42
CSSL87	В	12.35 /	18.35 /	24.35 /	30.35 /	36.35 /	48.35 /	60.35 /	72.35 /
		13.10	19.10	25.10	31.60	37.60	50.60	62.10	74.10
		C	onnector Le	engths – wit	h Fitting &	Gas Ball Va	lves		
CSSL4M	В	13.63 /	19.63 /	25.63 /	31.63 /	37.63 /	49.63 /	61.63 /	73.63 /
		14.38	20.38	26.38	32.88	38.88	51.88	63.38	75.38
CSSL7M	В	13.38 /	19.38 /	25.38 /	30.38 /	37.38 /	49.38 /	61.38 /	73.38 /
		14.13	20.13	26.13	32.63	38.63	51.63	63.13	75.13
CSSL8M	В	13.23 /	19.23 /	25.23 /	30.23 /	37.23 /	49.23 /	61.23 /	73.23 /
		13.98	19.98	25.98	32.48	38.48	51.48	62.98	74.98

### **Listings & Certifications:**

- CSA listed to ANSI Z21.24 / CSA 6.10 standard "Connectors for Gas Appliances"
- CSA listed to ANSI Z21.75 / CSA 6.27 standard
  "Connectors for Outdoor Gas Appliances & Manufactured Homes"

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