

# ECGJH and ECLK couplings

Cl. I, Groups A, B, C, D  
Cl. II, Groups E, F, G  
Cl. III

Explosionproof  
Dust-ignitionproof  
Wet Locations

4F

1/2" to 2" – brass construction

2 1/2" to 4" – stainless steel construction only

## Applications:

EC couplings are used:

- In hazardous areas where a flexible member is required in a conduit system to accomplish difficult bends, or to allow for movement or vibration of connected equipment or units



ECGJH (male connections at both ends)  
(shown furnished with protective caps)

## Features:

- Rugged design to withstand explosive pressure (Class I) and mechanical abuse
- Liquidtight for wet locations
- For use where lack of space makes use of rigid conduit difficult
- Wire duct liner in sizes 1/2" to 2" insulates against grounds and burn through from short circuit
- No bonding jumpers required; metallic braid provides continuous electrical path
- ECGJH combination has two threaded male end fittings
- ECLK combination has one female union and one male threaded end fitting

## Certifications and compliances:

### NEC:

- 1/2" and 3/4" (brass and stainless):  
Class I, Division 1, Groups A, B, C, D
- 1" to 2" (brass and stainless):  
Class I, Division 1, Groups C, D
- All sizes for use in Class II, Division 1, Groups E, F, G; Class III

### UL standard:

- UL1203
- Lengths up to 36" – UL Listed
- Lengths above 36" – not UL Listed

### ATEX and IECEx – ECGJH S516 only:

- 1/2" and 3/4" (4" to 36" flexible length only) – Ex d IIC, IP66
- 1" to 2" (4" to 36" flexible length only) – Ex d IIB, IP66

## Standard materials and finishes:

- End fittings – 1/2" to 2": forged brass, natural; 2 1/2" to 4": stainless steel, natural
- Female unions – 1/2" to 1": steel, electrogalvanized with chromate treatment; 1 1/4" to 4": Feraloy® iron alloy, electrogalvanized with aluminum acrylic paint
- 1/2" to 2" have bronze braid covering and flexible brass inner core; packing is woven cotton braid impregnated with asphalt
- 2 1/2" to 4" have a Type 304 stainless steel braid

## Options:

### Description

- All stainless steel.....**S516**  
*Available with ECGJH only*
- Flexible PVC protective coating.....**S758**  
*For severely corrosive locations*
- Special coupling lengths available up to 144 inches ..... **See details below**  
*To order, change last two digits in any standard catalog number to the two or three digit length desired in whole inches (for example: to order a 3/4" hub size 110 inches long, use catalog number ECGJH2110)*

Suffix

S516

S758

See details below

## Ordering information:

Flexible length (in.)	Hub size	Cat. #	Flexible length (in.)	Hub size	Cat. #	Flexible length (in.)	Hub size	Cat. #
4	1/2"	ECGJH14	18	1"	ECGJH318	27	2 1/2"	ECGJH727
4	3/4"	ECGJH24	18	1 1/4"	ECGJH418	27	3"	ECGJH827
6	1/2"	ECGJH16	18	1 1/2"	ECGJH518	27	4"	ECGJH1027
6	3/4"	ECGJH26	18	2"	ECGJH618	30	1/2"	ECGJH130
6	1"	ECGJH36	18	2 1/2"	ECGJH718	30	3/4"	ECGJH230
8	1/2"	ECGJH18	18	3"	ECGJH818	30	1"	ECGJH330
8	3/4"	ECGJH28	18	4"	ECGJH1018	30	1 1/4"	ECGJH430
8	1"	ECGJH38	21	1/2"	ECGJH121	30	1 1/2"	ECGJH530
10	1/2"	ECGJH110	21	3/4"	ECGJH221	30	2"	ECGJH630
10	3/4"	ECGJH210	21	1"	ECGJH321	30	2 1/2"	ECGJH730
10	1"	ECGJH310	21	1 1/4"	ECGJH421	30	3"	ECGJH830
12	1/2"	ECGJH112	21	1 1/2"	ECGJH521	30	4"	ECGJH1030
12	3/4"	ECGJH212	21	2"	ECGJH621	33	1/2"	ECGJH133
12	1"	ECGJH312	21	2 1/2"	ECGJH721	33	3/4"	ECGJH233
12	1 1/4"	ECGJH412	21	3"	ECGJH821	33	1"	ECGJH333
12	1 1/2"	ECGJH512	21	4"	ECGJH1021	33	1 1/4"	ECGJH433
12	2"	ECGJH612	24	1/2"	ECGJH124	33	1 1/2"	ECGJH533
12	2 1/2"	ECGJH712	24	3/4"	ECGJH224	33	2"	ECGJH633
12	3"	ECGJH812	24	1"	ECGJH324	33	2 1/2"	ECGJH733
12	4"	ECGJH1012	24	1 1/4"	ECGJH424	33	3"	ECGJH833
15	1/2"	ECGJH115	24	1 1/2"	ECGJH524	33	4"	ECGJH1033
15	3/4"	ECGJH215	24	2"	ECGJH624	36	1/2"	ECGJH136
15	1"	ECGJH315	24	2 1/2"	ECGJH724	36	3/4"	ECGJH236
15	1 1/4"	ECGJH415	24	3"	ECGJH824	36	1"	ECGJH336
15	1 1/2"	ECGJH515	24	4"	ECGJH1024	36	1 1/4"	ECGJH436
15	2"	ECGJH615	27	1/2"	ECGJH127	36	1 1/2"	ECGJH536
15	2 1/2"	ECGJH715	27	3/4"	ECGJH227	36	2"	ECGJH636
15	3"	ECGJH815	27	1"	ECGJH327	36	2 1/2"	ECGJH736
15	4"	ECGJH1015	27	1 1/4"	ECGJH427	36	3"	ECGJH836
18	1/2"	ECGJH118	27	1 1/2"	ECGJH527	36	4"	ECGJH1036
18	3/4"	ECGJH218	27	2"	ECGJH627			

# ECGJH and ECLK couplings

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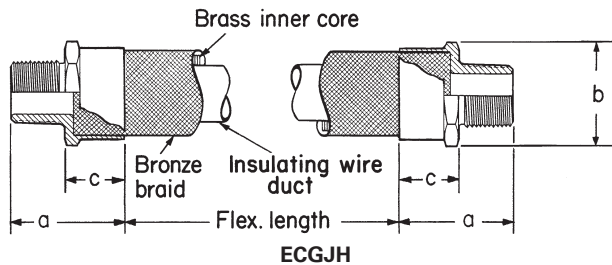


ECLK (ECGJH provided with UNF female union – male connection at one end, female connection at one end)

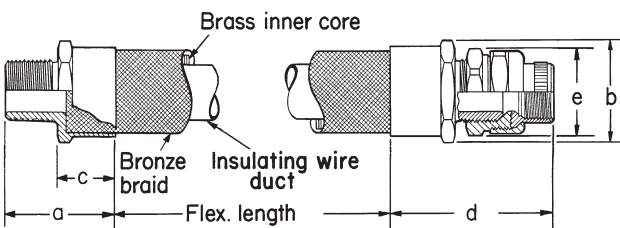
## Ordering information (continued):

Flexible length (in.)	Hub size	Cat. #	Flexible length (in.)	Hub size	Cat. #	Flexible length (in.)	Hub size	Cat. #
4	1/2"	ECLK14	18	1"	ECLK318	27	2 1/2"	ECLK727
4	3/4"	ECLK24	18	1 1/4"	ECLK418	27	3"	ECLK827
6	1/2"	ECLK16	18	1 1/2"	ECLK518	27	4"	ECLK1027
6	3/4"	ECLK26	18	2"	ECLK618	30	1/2"	ECLK130
6	1"	ECLK36	18	2 1/2"	ECLK718	30	3/4"	ECLK230
8	1/2"	ECLK18	18	3"	ECLK818	30	1"	ECLK330
8	3/4"	ECLK28	18	4"	ECLK1018	30	1 1/4"	ECLK430
8	1"	ECLK38	21	1/2"	ECLK121	30	1 1/2"	ECLK530
10	1/2"	ECLK110	21	3/4"	ECLK221	30	2"	ECLK630
10	3/4"	ECLK210	21	1"	ECLK321	30	2 1/2"	ECLK730
10	1"	ECLK310	21	1 1/4"	ECLK421	30	3"	ECLK830
12	1/2"	ECLK112	21	1 1/2"	ECLK521	30	4"	ECLK1030
12	3/4"	ECLK212	21	2"	ECLK621	33	1/2"	ECLK133
12	1"	ECLK312	21	2 1/2"	ECLK721	33	3/4"	ECLK233
12	1 1/2"	ECLK412	21	3"	ECLK821	33	1"	ECLK333
12	1 1/2"	ECLK512	21	4"	ECLK1021	33	1 1/4"	ECLK433
12	2"	ECLK612	24	1/2"	ECLK124	33	1 1/2"	ECLK533
12	2 1/2"	ECLK712	24	3/4"	ECLK224	33	2"	ECLK633
12	3"	ECLK812	24	1"	ECLK324	33	2 1/2"	ECLK733
12	4"	ECLK1012	24	1 1/4"	ECLK424	33	3"	ECLK833
15	1/2"	ECLK115	24	1 1/2"	ECLK524	33	4"	ECLK1033
15	3/4"	ECLK215	24	2"	ECLK624	36	1/2"	ECLK136
15	1"	ECLK315	24	2 1/2"	ECLK724	36	3/4"	ECLK236
15	1 1/4"	ECLK415	24	3"	ECLK824	36	1"	ECLK336
15	1 1/2"	ECLK515	24	4"	ECLK1024	36	1 1/4"	ECLK436
15	2"	ECLK615	27	1/2"	ECLK127	36	1 1/2"	ECLK536
15	2 1/2"	ECLK715	27	3/4"	ECLK227	36	2"	ECLK636
15	3"	ECLK815	27	1"	ECLK327	36	2 1/2"	ECLK736
15	4"	ECLK1015	27	1 1/4"	ECLK427	36	3"	ECLK836
18	1/2"	ECLK118	27	1 1/2"	ECLK527	36	4"	ECLK1036
18	3/4"	ECLK218	27	2"	ECLK627			

## Dimensions (in inches):



ECGJH



ECLK

Hub size	a	b	c	d	e
1/2"	1 1/8	1 1/2	1 1/8	3	1 1/16
3/4"	2 1/16	1 7/8	1 3/16	3 1/4	1 13/16
1"	2 1/2	2 1/8	1 1/2	3 3/8	1 7/8
1 1/4"	2 7/8	2 15/16	1 7/8	4 7/16	2 1/4
1 1/2"	3 5/16	3 1/2	1 7/8	5 7/16	3 1/16
2"	3 1/4	4 1/4	2	5 1/16	3 9/16
2 1/2"	3	4 7/8	1 5/8	5 1/16	4 5/16
3	3 1/8	4 7/16	1 3/4	5 3/8	5 1/16
4"	4 5/8	4 15/16	3 1/4	7 1/2	6 7/16

## Minimum recommended bend radius

Hub size	Radius
1/2"	10
3/4"	12
1"	14
1 1/4"	14
1 1/2"	16
2"	16
2 1/2"	16
3	18
4"	30