

Accessories

Hardware

Transition Fittings and Accessories

Continued



TH-195 Stainless Steel Flexible Tubing



TH-213 or TH-249 Screw on Adapter Ferrule



TH-524 Crimp on Adapter Ferrule

Flexible Tubing and Adapter Ferrule

When it is desirable to protect the connection wire, either for a short distance at a connector or transition fitting, or for the full length, this stainless steel flexible tubing may be used. It can be used with either 700

or 701 SERIES transition fittings. An adapter ferrule is used in place of the coiled spring strain relief to firmly secure the flexible tubing to the transition body.

Part No.	Description
TH-195	Stainless steel flexible tubing, 0.188 inch I.D. x 0.265 inch O.D. (0.175 inch maximum wire size)
TH-195-PVC	Same as the TH-195 with extruded PVC overall
TH-213	Screw on adapter ferrule for code no. 701 transition
TH-249	Screw on adapter ferrule for code no. 700 transition
TH-524	Crimp on adapter ferrule for code no. 700 transition (may be used as a combination transition fitting and adapter ferrule on 0.250 inch O.D. XACTPAK)

Thermocouple Insulators and Accessories



Thermocouple insulators are usually selected for their ability to withstand elevated temperatures or to resist thermal shock. This listing groups SERV-RITE® thermocouple insulators in these classifications for convenient selection. Some sizes and lengths are available in more than one classification. The thermocouple insulators listed below are generally carried in stock for quick delivery. Other sizes can be made to suit individual requirements. Prices and delivery quoted upon request.

Mullite Insulators

- High temperature
- Low thermal expansion
- Good mechanical strength
- Maximum continuous temperature 1450°C (2640°F)
- Maximum intermittent temperature 1650°C (3000°F)

Oval—Double Hole

Part No.	AWG	Dimensions inches*			
		Width	Thickness	Bore	Length
372	8	0.468	0.281	0.156	3

Round—Double Hole

Part No.	AWG	Dimensions inches*		
		Diameter	Bore	Length
376-1	18	0.156	0.046	1
376-3	18	0.156	0.046	3
377-12	16	0.250	0.062	12
333-12	22	0.125	0.031	12
333-24	22	0.125	0.031	24

*Nominal

Note: All accessories subject to minimum purchase quantities.

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Thermocouple Insulators and Accessories

Mullite Insulators

Continued

Round—Four Hole

Part No.	AWG	Dimensions inches*		
		Diameter	Bore	Length
360	12	0.312	0.093	1
378	18	0.187	0.046	1

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Code No.	Description	Dimensions inches*	
		I.D.	O.D.
339	Mullite hot junction cup	0.375	0.687

Steatite Insulators

- Excellent physical strength
- Poor heat shock resistance
- Good electrical properties
- Maximum continuous temperature 1000°C (1830°F)
- Maximum intermittent temperature 13000°C (2370°F)

Oval—Double Hole

Part No.	AWG	Dimensions inches*			
		Width	Thickness	Bore	Length
380	8	0.500	0.284	0.156	1
381-¼	14	0.313	0.187	0.080	¼
381-1	14	0.313	0.187	0.080	1
382-1	20	0.172	0.118	0.042	1
383-1	24	0.144	0.091	0.028	1

Round—Double Hole

Part No.	AWG	Dimensions inches*		
		Diameter	Bore	Length
385-1	14	0.245	0.073	1
385-2	14	0.245	0.073	2
385-3	14	0.245	0.073	3
386	18	0.150	0.046	2

Ball and Socket Insulators—Fish Spine

Part No.	AWG	Dimensions inches*			No. Per lbs
		Width	Bore	Length	
349	4	0.54	0.240	0.54	160
344	8	0.26	0.156	0.26	1720
342	14	0.20	0.092	0.20	3100
341	16	0.17	0.068	0.17	5200
340-1	17	0.11	0.056	0.11	18160

*Nominal

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Thermocouple Insulators and Accessories

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Cordierite Insulators

- Excellent thermal shock resistance
- Fair physical strength and electrical properties
- Maximum continuous temperature 1250°C (2280°F)
- Maximum intermittent temperature 1300°C (2370°F)

Alumina Insulators

- Excellent high temperature insulation
- Good electrical and mechanical properties
- Maximum continuous temperature 1650°C (3000°F)
- Maximum intermittent temperature 1815°C (3300°F)

Round—Single Hole

Part No.	AWG	Dimensions inches*		
		Diameter	Bore	Length
316	8	0.250	0.156	3

Round—Double Hole

Part No.	AWG	Dimensions inches*		
		Diameter	Bore	Length
321	6	0.505	0.188	1
327	8	0.375	0.140	3
384		0.490	0.156	1
323	14	0.281	0.080	1
326		0.250	0.080	2 ½
328	16	0.187	0.062	1

Oval—Double Hole

Part No.	AWG	Dimensions inches*			
		Width	Thickness	Bore	Length
300	4	0.718	0.412	0.218	1
306	6	0.531	0.281	0.170	3
301		0.531	0.281	0.170	1
302		0.531	0.281	0.170	¾
303		8	0.437	0.250	0.156
311	0.437		0.250	0.156	¾
304	11	0.375	0.217	0.110	1
305		0.375	0.217	0.110	5
309	12	0.313	0.187	0.090	3

*Nominal

Round—Double Hole

Part No.	AWG	Dimensions inches*		
		Diameter	Bore	Length
391-24	22	0.125	0.031	24

*Nominal

Note: All accessories subject to minimum purchase quantities.