

### Cartridge Heater — Armor Cable Abrasion Resistant Right-Angle Terminations

#### Type C2 Right-Angle Armor Cable with Copper Elbow

Available on HDC, HDM, and LDC cartridge heaters

Armor cable provides the maximum in protection for abrasive, jagged environments. The copper elbow between the cartridge and the armor cable is mechanically fastened or silver brazed.

**C2A** Galvanized armor cable, mechanically fastened

**C2B** Stainless steel armor cable, mechanically fastened

**C2C** Galvanized armor cable, silver brazed

**C2D** Stainless steel armor cable, silver brazed

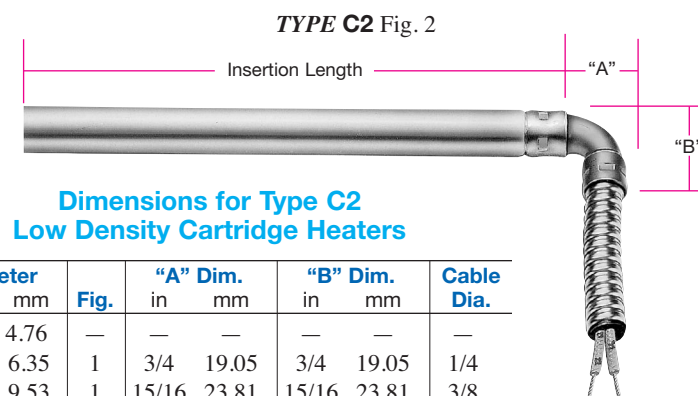
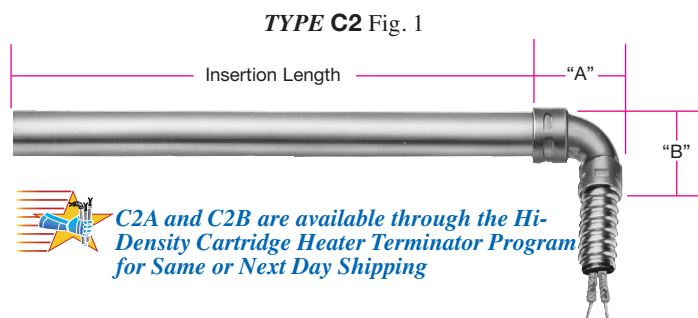
➤ Minimum 3/8" up to 1" unheated section at the lead end is required.

➤ Standard fiberglass lead wire temperature rating  
HDC and HDM: 842°F (450°C), LDC: 482°F (250°C)

➤ **Standard 10" (254 mm) cable over 12" (305 mm) leads.**  
Specify longer cable or leads.

#### Dimensions for Type C2 Hi-Density Cartridge Heaters

Diameter in mm	Fig.	"A" Dim.		"B" Dim.		Cable Dia.
		in	mm	in	mm	
1/4 6.35	1	3/4	19.05	3/4	19.05	1/4
5/16 7.94	1	15/16	23.81	15/16	23.81	1/4
3/8 9.53	1	15/16	23.81	15/16	23.81	3/8
1/2 12.70	1	1-1/4	31.75	1-1/4	31.75	1/2
5/8 15.88	1	1-1/4	31.75	1-1/4	31.75	1/2
3/4 19.05	1	1-3/4	44.45	1-1/4	31.75	1/2
1 25.40	2	1-1/8	28.58	1-3/8	34.93	1/2



#### Dimensions for Type C2 Low Density Cartridge Heaters

Diameter in mm	Fig.	"A" Dim.		"B" Dim.		Cable Dia.
		in	mm	in	mm	
3/16 4.76	—	—	—	—	—	—
1/4 6.35	1	3/4	19.05	3/4	19.05	1/4
3/8 9.53	1	15/16	23.81	15/16	23.81	3/8
1/2 12.70	1	1-1/4	31.75	1-1/4	31.75	1/2
5/8 15.88	2	11/16	17.46	1-1/4	31.75	1/2
3/4 19.05	2	3/4	19.05	1-1/4	31.75	1/2
7/8 22.23	2	3/4	19.05	1-3/8	34.93	1/2
15/16 23.81	2	1-1/8	28.58	1-3/8	34.93	1/2
1 25.40	2	1-1/8	28.58	1-3/8	34.93	1/2
1-1/4 31.75	2	1-1/8	28.58	1-3/8	34.93	1/2

#### Type C3 Right-Angle Armor Cable

Available on HDC, HDM, and LDC cartridge heaters

Use this termination when space is limited and maximum protection is required. The armor cable is tack welded or silver brazed to the cartridge sheath at 90°. The sheath extension is potted with cement. Various lead end finishes are available as listed below.

**C3A** Cement potting and silicone varnish with no lead end disc, galvanized cable

**C3B** Cement potting and silicone varnish with no lead end disc, stainless steel cable

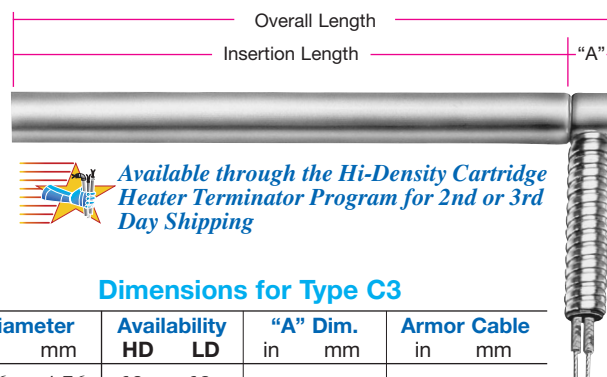
**C3C** Welded lead end disc, with galvanized cable

**C3D** Welded lead end disc, with stainless steel cable

➤ Minimum 3/8" up to 1" unheated section at the lead end is required.

➤ Cement potting temperature rating: 1000°F (538°C)  
Standard fiberglass lead wire temperature rating: 482°F (250°C)

➤ **Standard 10" (254 mm) armor cable over 12" (305 mm) leads.**  
Specify longer cable or leads.



#### Dimensions for Type C3

Diameter in mm	Availability HD LD	"A" Dim.		Armor Cable	
		in	mm	in	mm
3/16 4.76	No No	—	—	—	—
1/4 6.35	Yes Yes	5/16	7.94	1/4	6.35
5/16 7.94	Yes No	5/16	7.94	1/4	6.35
3/8 9.53	Yes Yes	7/16	11.11	3/8	9.53
1/2 12.70	Yes Yes	9/16	14.29	1/2	12.70
5/8 15.88	Yes Yes	9/16	14.29	1/2	12.70
3/4 19.05	Yes Yes	9/16	14.29	1/2	12.70
7/8 22.23	No Yes	5/8	15.88	1/2	12.70
15/16 23.81	No Yes	5/8	15.88	1/2	12.70
1 25.40	Yes Yes	5/8	15.88	1/2	12.70
1-1/4 31.75	No Yes	5/8	15.88	1/2	12.70