

## AIR-COOLED CABLES

- USE ON PIPES, FLAT PLATE AND IRREGULARLY SHAPED WORKPIECES.**

See chart for recommendations on cable length/turns for various pipe sizes.

- 301453030 9.1 m (30 ft.)
- 301453050 15.2 m (50 ft.)
- 301453080 24.4 m (80 ft.)



Photo shows preheat cable cover installed on air-cooled cables.

NPS PIPE SIZE cm (in.)	CABLE LENGTH REQUIRED FOR:		
	2 turns/side m (ft.)	3 turns/side m (ft.)	4 turns/side m (ft.)
1.3 (0.5)	9 (30)	9 (30)	9 (30)
1.9 (0.75)	9 (30)	9 (30)	9 (30)
2.5 (1)	9 (30)	9 (30)	9 (30)
3.2 (1.25)	9 (30)	9 (30)	9 (30)
3.8 (1.5)	9 (30)	9 (30)	9 (30)
5.1 (2)	9 (30)	9 (30)	9 (30)
6.4 (2.5)	9 (30)	9 (30)	9 (30)
7.6 (3)	9 (30)	9 (30)	9 (30)
8.9 (3.5)	9 (30)	9 (30)	9 (30)
10.2 (4)	9 (30)	9 (30)	9 (30)
12.7 (5)	9 (30)	9 (30)	9 (30)
15.2 (6)	9 (30)	9 (30)	9 (30)
20.3 (8)	9 (30)	9 (30)	15 (50)
25.4 (10)	9 (30)	9 (30)	15 (50)
30.5 (12)	9 (30)	15 (50)	15 (50)
35.6 (14)	9 (30)	15 (50)	15 (50)
40.6 (16)	9 (30)	15 (50)	15 (50)
45.7 (18)	9 (30)	15 (50)	15 (50)
50.8 (20)	15 (50)	15 (50)	24 (80)
55.9 (22)	15 (50)	15 (50)	24 (80)
61 (24)	15 (50)	15 (50)	24 (80)
66 (26)	15 (50)	24 (80)	24 (80)
71.1 (28)	15 (50)	24 (80)	24 (80)
76.2 (30)	15 (50)	24 (80)	24 (80)
81.3 (32)	15 (50)	24 (80)	24 (80)
86.4 (34)	15 (50)	24 (80)	Two 15 (50) cables
91.4 (36)	15 (50)	24 (80)	Two 15 (50) cables



For larger pipe diameters, consult the owner's manual.



- USE PREHEAT CABLE COVER** to protect against abrasions/spatter. Cover does **not** provide thermal protection.

- 204611 9.1 m (30 ft.)
- 204614 15.2 m (50 ft.)
- 204620 24.4 m (80 ft.)

- BASE SETUP** – powered by compatible on-site welding power sources.

- 301591 ArcReach Heater
- 301451 ArcReach Heater Extension Cable

- WHEN HEATING BETWEEN 150°C AND 250°C**, use **one** layer of 1.3 cm (1/2") thick insulation. **WHEN HEATING ABOVE 250°C** use **two** layers of 1.3 cm (1/2") thick insulation.

To insulate when heating pipes, plate and materials with odd geometries, **USE STANDARD 1.3 X 15 CM INSULATION** (either 305 or 610 cm). When heating pipes, cut to fit outer dimension.

- 204669 1.3 x 15 x 305 cm (1/2 x 6 x 120 in.)
- 195376 1.3 x 15 x 610 cm (1/2 x 6 x 240 in.)
- 211474 1.3 x 31 x 305 cm (1/2 x 12 x 120 in.)

- To insulate when heating flat plate or repetitive applications, simplify the process with **CABLE HARNESS INSULATION**. If heating above 200°C, an additional layer of 1.3 cm (1/2") thick insulation can be added. **Note that an additional quantity will be needed because cable harness insulation is 41 cm (16") wide.**

- 301334 1.3 x 41 x 305 cm (1/2 x 16 x 120 in.)

- ATTACH EITHER CONTACT OR WELDED-ON THERMOCOUPLES**

(typically 2–4; 6 maximum).  
301517 Contact thermocouple sensor (probe)

- Welded-on thermocouples are the most accurate and are sometimes required by the weld procedure. If you need them, **USE THE ATTACHMENT UNIT, CONNECTORS AND THERMOCOUPLE WIRE.**

- 194959 Thermocouple attachment unit
- 195098 Thermocouple connectors (10-pack)
- 194999 Thermocouple wire, 152 m (500 ft.)

## AIR-COOLED QUICK WRAP



**25.4 cm  
(10")**



- BASE SETUP** – powered by compatible on-site welding power sources.

301591 ArcReach Heater  
301451 ArcReach Heater Extension Cable

- Use on pipes from **3.8 CM** to **25.4 CM IN DIAMETER** (1 1/2" to 10").

- USE TWO QUICK WRAPS**, one on each side of the joint.  
301452 For 3.8-25.4 cm (1.5-10 in.) diameter pipes



- USE ONE LAYER OF PREHEAT INSULATION** when heating from 200°C to 315°C.

To insulate when heating pipes, **USE STANDARD 1.3 X 15 CM INSULATION** (either 305 or 610 cm). Cut to match pipe outer diameter.

204669 1.3 x 15 x 305 cm (1/2 x 6 x 120 in.)  
195376 1.3 x 15 x 610 cm (1/2 x 6 x 240 in.)  
211474 1.3 x 31 x 305 cm (1/2 x 12 x 120 in.)



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