

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



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

NPS PIPE SIZE in. (cm)	CABLE LENGTH REQUIRED FOR:		
	2 turns/side ft. (m)	3 turns/side ft. (m)	4 turns/side ft. (m)
0.5 (1.3)	30 (9)	30 (9)	30 (9)
0.75 (1.9)	30 (9)	30 (9)	30 (9)
1 (2.5)	30 (9)	30 (9)	30 (9)
1.25 (3.2)	30 (9)	30 (9)	30 (9)
1.5 (3.8)	30 (9)	30 (9)	30 (9)
2 (5.1)	30 (9)	30 (9)	30 (9)
2.5 (6.4)	30 (9)	30 (9)	30 (9)
3 (7.6)	30 (9)	30 (9)	30 (9)
3.5 (8.9)	30 (9)	30 (9)	30 (9)
4 (10.2)	30 (9)	30 (9)	30 (9)
5 (12.7)	30 (9)	30 (9)	30 (9)
6 (15.2)	30 (9)	30 (9)	30 (9)
8 (20.3)	30 (9)	30 (9)	50 (15)
10 (25.4)	30 (9)	30 (9)	50 (15)
12 (30.5)	30 (9)	50 (15)	50 (15)
14 (35.6)	30 (9)	50 (15)	50 (15)
16 (40.6)	30 (9)	50 (15)	50 (15)
18 (45.7)	30 (9)	50 (15)	50 (15)
20 (50.8)	50 (15)	50 (15)	80 (24)
22 (55.9)	50 (15)	50 (15)	80 (24)
24 (61)	50 (15)	50 (15)	80 (24)
26 (66)	50 (15)	80 (24)	80 (24)
28 (71.1)	50 (15)	80 (24)	80 (24)
30 (76.2)	50 (15)	80 (24)	80 (24)
32 (81.3)	50 (15)	80 (24)	80 (24)
34 (86.4)	50 (15)	80 (24)	Two 50 (15) cables
36 (91.4)	50 (15)	80 (24)	Two 50 (15) 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 30 ft. (9.1 m)
- 204614 50 ft. (15.2 m)
- 204620 80 ft. (24.4 m)



WHEN HEATING BETWEEN 302°F AND 482°F (150°C and 250°C), use one layer of 1/2" thick insulation. WHEN HEATING ABOVE 482°F (250°C), use two layers of 1/2" thick insulation.

To insulate when heating pipes, plate and materials with odd geometries, **USE STANDARD 1/2" X 6" INSULATION** (either 120" or 140"). When heating pipes, cut to fit outer dimension.

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



To insulate when heating flat plate or repetitive applications, simplify the process with **CABLE HARNESS INSULATION**. If heating above 392°F (200°C), an additional layer of 1/2" thick insulation can be added. **Note that an additional quantity will be needed because cable harness insulation is 16" wide.**

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



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, 500 ft. (152 m)

AIR-COOLED QUICK WRAP



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

301390 ArcReach Heater

301451 ArcReach Heater Extension Cable

10"

- Use on pipes from **1 1/2"** to **10" IN DIAMETER.**



- USE TWO QUICK WRAPS,** one on each side of the joint.

301452 For 10-1.5 in (25.4-3.3 cm) diameter pipes



392°F

- USE ONE LAYER OF PREHEAT INSULATION** when heating from 392°F (200°C) to 600°F (315°C).

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