

Tandem-Link

Wet Location Inter-Connecting Freeze Protection Systems

Tandem-Link units are watertight job-ready heating cable systems that plug directly into one another, allowing on site length flexibility.



See more product information, videos, photos, technical documents, and more



Tandem-Link

Features & Benefits

- The only inter-connecting heating cable product available
- Available in a plug-in GFCI model or plug-in no GFCI depending on application
- Can use up to 3 units to adjust length as required
- Can be used as permanent or temporary installation
- Watertight connection system allows rapid installation/removal/re-use
- Investment protection – segments are re-usable
- Simply disconnect, store and re-use
- Available in common lengths and long lengths
- Suitable for multiple pipe sizes both metal and plastic
- Will never melt or overheat, even if pipe is dry
- Can be overlapped without concern of overheating
- Can be used to protect, pipes, tanks, vessels and more
- Factory finished, job-ready – no liability for installer
- Installation is simple, fast and cost effective
- Single trace installation is suitable for most applications saving product length

Specifications

- cCSAus approved (Canada and USA) LR85446
- Certified Usage W Canada
- Installation Type A USA
- Certified for damp locations
- Self-regulating/conductive polymer heating cable
- Thermo Plastic Elastomer (TPE) jacket
- Standard wattage 5 W/ft @ 50°F (16 W/m @ 10°C)
- Available in 120V and 240V
- Max lengths 120V - 205 ft, 240V - 410 ft
- Available with either GFCI plug or regular plug for field GFCI installation
- Wetguard male and female plug ends certified for wet location NEMA Type 4, 4X, 6, 6P
- Maximum 3 connected cables and/or maximum length per voltage
- Standard warranty of 5 years
- Suitable for exposure temperatures up to 150°F (65°C)

Applications

- Anywhere temporary water or non-flammable fluid pipes are exposed to freezing

For more Features and Benefits common to all Heat-Line systems, refer to page 6.





Inter-Connecting Systems

Temporary wet location inter-connecting freeze protection systems.

Factory Finished, Job Ready

Tandem-Link systems are factory finished, job-ready heating cable systems that plug directly into one another, allowing on site length flexibility without the requirement of an electrician for field splicing and terminating in extreme climate conditions.

Self-Regulating

Tandem-Link systems are self-regulating, making them safe for use on all pipe materials, which may or may not always be filled with fluid. Insulation can always be added to increase efficiency and allow operation even in the harshest environments.

Wet Location Certified

Tandem-Link systems are supplied with quality, durable, wet location certified plug and receptacle connections.

Cold Weather Reliability

Tandem-Link systems are suitable for many applications, including cold weather construction requiring permanent or temporary water or fluid pipe heating. If used in a temporary application, the Tandem-Link system can be simply unplugged, rolled up and stored until it is required again for the next project.

CSA Approved

CSA approved for wet location.

Maximum 3 connected cables and

- 120 volt maximum connected length 205 feet
- 240 volt maximum connected length 410 feet

Practical Installation

Tandem-Link is designed to be applied to the outside of the pipe, making it suitable for both small and large pipe diameters. Traditional style heat tapes must be pitched or spiraled around the pipes in order to apply an adequate amount of heat, making them very high in energy consumption.

In most applications, the Tandem-Link systems are installed in a single run, reducing the overall length of product by as much as 60 percent. For large pipe diameters or where more heat is required, a dual (double) trace system is adequate, which still saves on product length.

Safe on All Pipe Materials

Tandem-Link is safe to use on all pipe materials, including plastic and metals, even if there is no water in the pipe. Insulation and a thermostat can be added to the system to further optimize energy efficiency.

Tandem-Link | Product Code Guide

Example: **TL2 - 50 - CS**

Product		Cord-Set Type	
TL	120 V Tandem-Link	GFC	Ground fault protected 5-15 P 120 V / 6-15 P 240 V
TL2	240 V Tandem-Link	CS	Wetguard male plug end (no GFCI)
		Length of System	
		120 V	max connected length 205 ft
		240 V	max connected length 410 ft

NOTE: Nominal power output of Tandem-Link system is 5 W/ft @ 50°F (16 W/m @ 10°C). Only available in Modified Polyolefin outer heating cable jacket.

Tandem-Link | Accessories

HLJ-STAT	120V plug-in thermostat (GFC)	INSUL-1.25	Insulation sleeve for 1 ¼ inch ID pipe (1 7/8 inch ID, 6 ft long)
HLA-120	120V plug-in thermostat (GFC)	INSUL-2.00	Insulation sleeve for 2 inch ID pipe (2 5/8 inch ID, 6 ft long)
GFA-STAT	120/240V hard wire thermostat GFEP (CS)	INSUL-3.00	Insulation sleeve for 3 inch ID pipe (3 ½ inch ID, 6 ft long)
TIMER-120P	120V plug-in timer (GFC)	INSUL-4.00	Insulation sleeve for 4 inch ID pipe (4 ½ inch ID, 6 ft long)
TIMER-240P	240V plug-in timer (GFC)	HLP-TAPE	Tape for insulation sleeve butt joints (100 ft)
TIMER-CS	120/240V hard wire timer (CS)	INSUL-FOIL	Aluminum bubble foil insulation (16 in wide, sold by the foot)
FPC-02-120-OD	120V hard wire digital and adjustable thermostat GFEP (CS)	FOIL-TAPE	All weather aluminum foil tape (150 ft)
FPC-02-240-OD	240V hard wire digital and adjustable thermostat GFEP (CS)	PLD-CG	Cable guards/protectors (pkg of 4, 6 in each)
FRIO-S1-A	120/240V hard wire digital and adjustable thermostat with WIFI/ Ethernet and GFEP (CS)		
MA-10	120/240V GFCI/ELCI (CS)		
INSUL-1.00	Insulation sleeve for 1 inch ID pipe (1 5/8 inch ID, 6 ft long)		

Tandem-Link | Typical (120 Volt) Application

