JUMPER CABLE

Coaxial **Jumper Cable** is used to connect sensor cable segments and probes in series to form the sensing string. At least 50 ft (15 m) of JMP-U/-UD Jumper Cable [65 ft (20 m) of JPP] must be installed from the PAL-AT monitoring unit to the first section of the sensor cable. A minimum of 30 ft (9 m) of JMP-U/-UD jumper cable [40 ft (12 m) of JPP] must be installed at the very end of a sensing string. Refer to the PAL-AT Installation Manual for specific requirements.

Cable Type	Part No.	Maximum Temp		Outside Diameter		Weight $\frac{lb}{100ft}$ $\left(\frac{kg}{100m}\right)$		Range Correction Factor
		°F	(°C)	In	(mm)			
JMP-U	8017715	180	(80)	0.26	(6.6)	6.0	(9.0)	1.0
JMP-UD	8017718	180	(80)	0.26	(6.6)	6.0	(9.0)	1.0
JPP	8017685	300	(150)	0.16	(4.1)	2.5	(3.7)	2.5

NOTE:

1. The effective length of jumper cable is determined by multiplying the actual jumper cable length by the range correction factor.
2. Long lengths of JPP will reduce the maximum allowable length of a sensing string.
3. Type JPP jumper cable is UL Listed for plenum application.
4. Type JMP-U jumper cable has a polyethylene jacket for outdoor, direct burial and wet application where the jacket may be damaged. A waterblock material limits the spread of water through a cut in the jacket. JMP-UD jumper cable has a polyethylene jacket without the waterblock for dry or wet location where the cable jacket is unlikely to be damaged. The connector installation is easier without the waterblock.

CABLE CONNECTOR ASSEMBLY

When a cable splice is required, connection in the field is easily accomplished utilizing standard **Cable Connectors**.

CONNECTOR ASSEMBLY
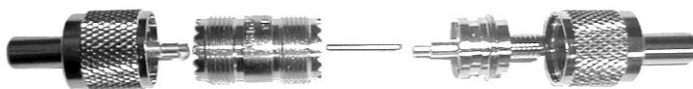• Consists of two plugs and one adapter as shown
SPECIFICATIONS
• Plug material: Brass-Nickel-Plated
• Max. Overall Length: 3.875" (98 mm)
• Max. Diameter: 0.75" (19)
NOTE:
1. RTV sealant (Part No. 8047640) is required in corrosive or wet environments for all cable connectors with shrink tubing.

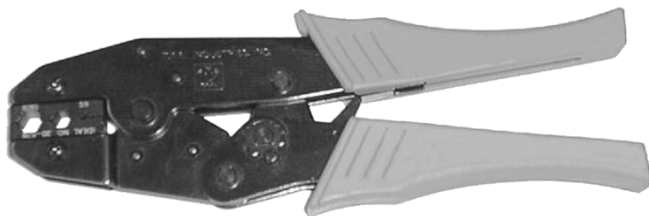| Connector Part No.	Model No.	Cable Type	Remarks
8027785	CAJMP	JMP-U/-UD	Crimping Tool Required
8027786	CAJMPS	JMP-U/-UD	Crimping Tool Required, Includes Shrink Tubing
8027790	CAGOLD	AGW-GOLD AGT-GOLD JPP	Crimping Tool Required, Includes Shrink Tubing
8027791	CATFH	TFH	Crimping Tool Required, Includes Shrink Tubing

CAGOLD/CAJMP/CATFH

CRIMP TOOL

A Crimp Tool is required to crimp connectors for all sensing cables and jumper cables. It ensures a correct crimp each time. The Gold cables require a different die that the JMP-U/-UD cables. This PermAlert approved crimp tool must be used with any crimp style connection.

NOTE: CRPC and CRPG include tool and die.

Part No.	Model No.	Remarks
8068299	CRPCKIT	Includes CRPC & CRPG
8068300	CRPC	JMP-U/-UD
8068301	CRPG	GOLD CABLES, TFH, JPP
8068305	CRPT	TOOL ONLY/LESS DIES
8068306	DIEC	DIE-JMP-U/-UD
8068307	DIEG	DIE-GOLD CABLES, TFH, JPP

CORD GRIP

A **Cord Grip** provides a means for passing a cable through a bulkhead or into a junction box to form a watertight seal. Contact PermAlert for pressurized applications.

SPECIFICATIONS
- Housing Material: Steel-Zinc Plated
- Grip Material: Neoprene

Part No.	Model No.	Thread Size	Cables
8057955	GRPJ	½" NPT	JPP, TFH, LW-2, LW-4
8057954	GRPJU	½" NPT	JMP-U/-UD
8057958	GRPJPL	½" NPT	MC-15
8057950	GRPJPR	½" NPT	PAL-AT Probe lead wire

CABLE PULLING GRIP

A **Cable Pulling Grip** is used to grip the end of the cable during pulling operations.

SPECIFICATIONS
- Material: Stainless Steel
- Maximum Cable Diameter: .370" (9 mm)

Part No.	Model No.
8047500	CPG

CABLE MOUNT

The adhesive-backed **Cable Mount** is used to attach cables to flat surfaces. This fastener is normally spaced at 6 ft (2m) intervals along the cable length. When installations require mounting to concrete surfaces, construction mastic should be used.

SPECIFICATIONS
- Material: Nylon
- Size: 1.0"L x .75"H x .75"W (25mm x 19 mm x 19mm)
- Package Quality: 100 Pieces

Part No.	Model No.
8047920	CMA

CABLE TAG

The **Cable Tag** is an adhesive-backed water resistant tag that can be attached to a PAL-AT cable. It identifies the cable as a PAL-AT leak detection cable and also provides an area to write the cable number and distance.

SPECIFICATION
- Package Quantity: 100 Tags

Part No.	Model No.
8057661	TAG

CAUTION DO NOT STEP

PermAlert ESP

PAL-AT LEAK DETECTION/LOCATION SYSTEM