

Loop Wire and Lead-In Cable

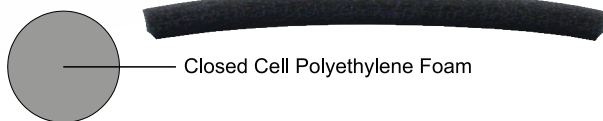
Overview

Reno A&E offers a complete range of loop wire and lead-in cable for use in virtually any application that requires fabricating an inductive loop. Wire insulation and cable jackets are constructed with the optimal thickness of Cross-linked Polyethylene (XLPE) necessary to ensure a long, trouble free life. XLPE insulation provides excellent thermal, electrical, and physical properties. It is recognized for its outstanding resistance to abrasion, moisture, and chemicals and will withstand temperatures up to 426° Fahrenheit (219° Celsius).

Loop Wire and Lead-In Cable Specifications

BR-375 Backer Rod 0.375" Nominal O.D. (for use in 1/8" or 1/4" saw slots)

BR-500 Backer Rod 0.500" Nominal O.D. (for use in 1/4" or 3/8" saw slots)



Closed Cell Polyethylene Foam

- Installed prior to sealing saw slots
- Holds loop wires, and lead-in wires securely in saw slots and keeps loop wires and lead-in wires from floating to the surface when sealant is applied
- Use **BR-500** with **PLB** Preformed Loop to hold cables in saw slots
- Use 1" to 2" long pieces spaced approximately 2 feet apart

LW-120 Single Conductor Loop Wire

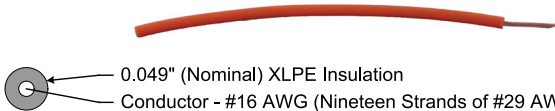


0.040" (Nominal) XLPE Insulation

Conductor - #20 AWG (Seven Strands of #28 AWG Tinned Copper Wire)

- 0.118" Nominal O.D. (for use in 1/8" saw slots)
- For light traffic applications with stable road surfaces such as residential gates or loops cut in concrete floors
- Available with Black, Red, or Blue insulation
p/n LW-120-BK (black); LW-120-RD (red); LW-120-BL (blue)

LW-116-P Single Conductor, Single Jacketed Loop Wire

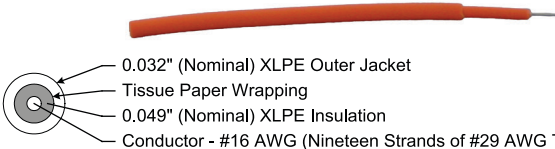


0.049" (Nominal) XLPE Insulation

Conductor - #16 AWG (Nineteen Strands of #29 AWG Tinned Copper Wire)

- 0.156" Nominal O.D. (for use in 1/4" saw slots)
- For heavy traffic applications and industrial / commercial installations
- Insulation color - Orange

LW-116-S Single Conductor, Double Jacketed Loop Wire



0.032" (Nominal) XLPE Outer Jacket

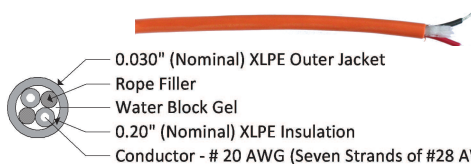
Tissue Paper Wrapping

0.049" (Nominal) XLPE Insulation

Conductor - #16 AWG (Nineteen Strands of #29 AWG Tinned Copper Wire)

- 0.240" Nominal O.D. (for use in 1/4" saw slots)
- For heavy traffic applications and industrial / commercial installations where additional insulation protection is needed
- Insulation and outer jacket color - Orange

LW-220 Two Conductor Lead-in Cable (20 AWG)



0.030" (Nominal) XLPE Outer Jacket

Rope Filler

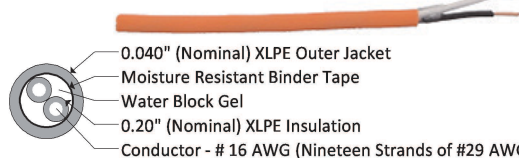
Water Block Gel

0.020" (Nominal) XLPE Insulation

Conductor - # 20 AWG (Seven Strands of #28 AWG Tinned Copper Wire)

- 0.225" Nominal O.D. (for use in 1/4" saw slots)
- Twisted pair lead-in cable Used in Reno A&E's Model PLB preformed loops
- Outer jacket color - Orange
- Conductor insulation colors - Black and Red.
- Conductors are laid in a left hand direction, Length of lay is 3" maximum

HR-216 Two Conductor Lead-in Cable



0.040" (Nominal) XLPE Outer Jacket

Moisture Resistant Binder Tape

Water Block Gel

0.020" (Nominal) XLPE Insulation

Conductor - # 16 AWG (Nineteen Strands of #29 AWG Tinned Copper Wire)

- 0.275" +/- 0.020" Nominal O.D. (for use in 3/8" saw slots)
- Twisted pair lead-in cable for long lead-in runs
- Outer jacket color - Orange
- Conductor insulation colors - Black and White, twisted eight (8) times per foot

LW-216 Two Conductor, Double Jacketed Lead-In Cable



- 0.360" +/- 0.020" Nominal O.D. (for use in 3/8" saw slots)
- Twisted pair lead-in cable for long lead-in runs where additional insulation protection is needed. Used in Reno A&E's Model PLH preformed loops
- Inner and outer jacket color - Orange
- Conductor insulation colors - Black and White, twisted eight (8) times per foot

RW-216 Two Conductor, Triple Jacketed Lead-In Cable



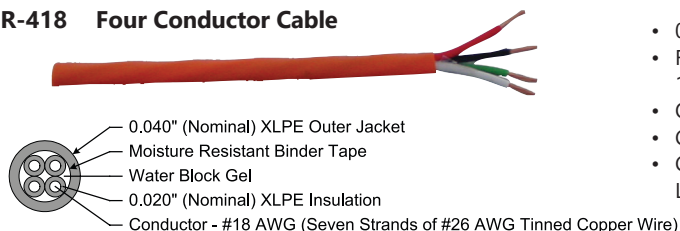
- 0.750" Nominal O.D. (suitable for direct burial)
- Twisted pair lead-in cable for direct burial in gravel or other abrasive roadway bases. Used in Reno A&E's Model PLH-R preformed loops
- Outer jacket color - Red
- Inner and middle jacket color - Orange
- Conductor insulation colors - Black and White, twisted eight (8) times per foot

LW-422 Four Conductor Cable



- 0.230" Nominal O.D. (for use in 1/4" saw slots)
- Four conductor cable used in Reno A&E's Model PLB preformed loops
- Outer jacket color - Orange
- Conductor insulation colors - Black, Red, White, and Green
- Conductors are laid in a left hand direction, in the order listed above
- Length of lay is 3" maximum

HR-418 Four Conductor Cable



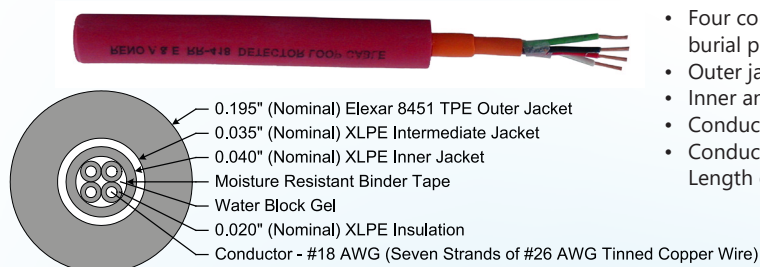
- 0.290" +/- 0.010" Nominal O.D. (for use in 3/8" saw slots)
- Four conductor home run cable (also referred to as magnetometer wire or 138 cable)
- Outer jacket color - Orange or black
- Conductor insulation colors - Black, Red, White, and Green
- Conductors are laid in a left hand direction, in the order listed above. Length of lay is 3" maximum

LW-418 Four Conductor Cable, Double Jacketed Cable



- 0.360" Nominal O.D. (for use in 3/8" saw slots)
- Four conductor cable used in Reno A&E's Model PLH and Model PLC preformed loops
- Inner and outer jacket color - Orange
- Conductor insulation colors - Black, Red, White, and Green
- Conductors are laid in a left hand direction, in the order listed above. Length of lay is 3" maximum

RW-418 Four Conductor Cable, Triple Jacketed Cable



- 0.750" Nominal O.D. (suitable for direct burial)
- Four conductor lead-in cable used in Reno A&E's Model PLH-R direct burial preformed loops
- Outer jacket color - Red
- Inner and middle jacket color - Orange
- Conductor insulation colors - Black, Red, White, and Green
- Conductors are laid in a left hand direction, in the order listed above. Length of lay is 3" maximum