

# KYNAR® Insulated Butt Splices

## specifications

KYNAR® insulated butt splices shall be suitable for harsh applications, including those with high gamma radiation and exposure to aggressive chemical solvents. KYNAR® insulated butt splices shall have excellent chemical and radiation resistance in addition to being physically stable at high temperatures of up to 300°F (150°C). KYNAR® insulated butt splices shall be electrically insulating to 600 V per UL 486C. KYNAR® insulated butt splices shall be available in wire sizes #22 – 10 AWG.



## technical information

|                                        |                                         |
|----------------------------------------|-----------------------------------------|
| <b>Industry standards:</b>             | UL listed and CSA certified to UL 486 C |
| <b>Maximum voltage rating:</b>         | 600 V                                   |
| <b>Maximum insulation temperature:</b> | 300°F (150°C)                           |

## key features and benefits

|                                     |                                                                                                                                                                                                                                                          |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>KYNAR® material</b>              | Delivers superior resistance to gamma radiation and aggressive chemical solvents and is stable at high temperatures up to 300°F (150°C)                                                                                                                  |
| <b>Metal insulation grip sleeve</b> | Provides wire strain relief for reduced strain on the connector, resulting in a reliable connection<br>Offers an insulation crimp to prevent the wire's insulation from pulling back and exposing copper strands, for protection against electric shorts |
| <b>Funnel wire entry</b>            | Stripped end of wire is funneled into the crimp barrel while preventing turned back strands that can lead to short circuits.                                                                                                                             |
| <b>Color-coded insulation</b>       | Natural semi-transparent with industry standard color strip to indicate applicable wire size for quick visual identification of part                                                                                                                     |

## applications

KYNAR® insulated butt splices provide a reliable termination solution for equipment control applications in nuclear containment areas of power plants, requiring superior performance, and high chemical resistance in elevated temperatures up to 300°F (150°C).

KYNAR® insulated butt splices complement existing Panduit KYNAR® insulated ring terminals offered for similar chemical resistant and high temperature applications, to provide a high quality termination solution that contributes to the overall reliability, and productivity of the physical infrastructure.

### Related Products

#### KYNAR® Insulated Ring Terminals

##### Wire range 22 – 16 AWG

|                         |            |
|-------------------------|------------|
| <b>#4 stud size:</b>    | PK18-4R-C  |
| <b>#6 stud size:</b>    | PK18-6R-C  |
| <b>#8 stud size:</b>    | PK18-8R-C  |
| <b>#10 stud size:</b>   | PK18-10R-C |
| <b>1/4" stud size:</b>  | PK18-14R-C |
| <b>5/16" stud size:</b> | PK18-56R-C |
| <b>3/8" stud size:</b>  | PK18-38R-C |

##### Wire range 18 – 14 AWG

|                         |            |
|-------------------------|------------|
| <b>#4 stud size:</b>    | PK14-4R-C  |
| <b>#6 stud size:</b>    | PK14-6R-C  |
| <b>#8 stud size:</b>    | PK14-8R-C  |
| <b>#10 stud size:</b>   | PK14-10R-C |
| <b>1/4" stud size:</b>  | PK14-14R-C |
| <b>5/16" stud size:</b> | PK14-56R-C |
| <b>3/8" stud size:</b>  | PK14-38R-C |

##### Wire range 12 – 10 AWG

|                        |            |
|------------------------|------------|
| <b>#6 stud size:</b>   | PK10-6R-L  |
| <b>#8 stud size:</b>   | PK10-8R-L  |
| <b>#10 stud size:</b>  | PK10-10R-L |
| <b>1/4" stud size:</b> | PK10-14R-L |
| <b>3/8" stud size:</b> | PK10-38R-Q |

#### KYNAR® Insulated Large Wire Ring Terminals

##### Wire range 8 AWG

|                         |           |
|-------------------------|-----------|
| <b>#8 stud size:</b>    | PK8-8R-T  |
| <b>#10 stud size:</b>   | PK8-10R-T |
| <b>1/4" stud size:</b>  | PK8-14R-T |
| <b>5/16" stud size:</b> | PK8-56R-T |
| <b>3/8" stud size:</b>  | PK8-38R-T |
| <b>1/2" stud size:</b>  | PK8-12R-T |

##### Wire range 6 AWG

|                         |           |
|-------------------------|-----------|
| <b>#8 stud size:</b>    | PK6-8R-T  |
| <b>#10 stud size:</b>   | PK6-10R-T |
| <b>1/4" stud size:</b>  | PK6-14R-T |
| <b>5/16" stud size:</b> | PK6-56R-T |
| <b>3/8" stud size:</b>  | PK6-38R-T |
| <b>1/2" stud size:</b>  | PK6-12R-T |

##### Wire range 4 AWG

|                         |           |
|-------------------------|-----------|
| <b>#10 stud size:</b>   | PK4-10R-T |
| <b>1/4" stud size:</b>  | PK4-14R-T |
| <b>5/16" stud size:</b> | PK4-56R-T |
| <b>3/8" stud size:</b>  | PK4-38R-T |
| <b>1/2" stud size:</b>  | PK4-12R-T |

##### Wire range 2 AWG

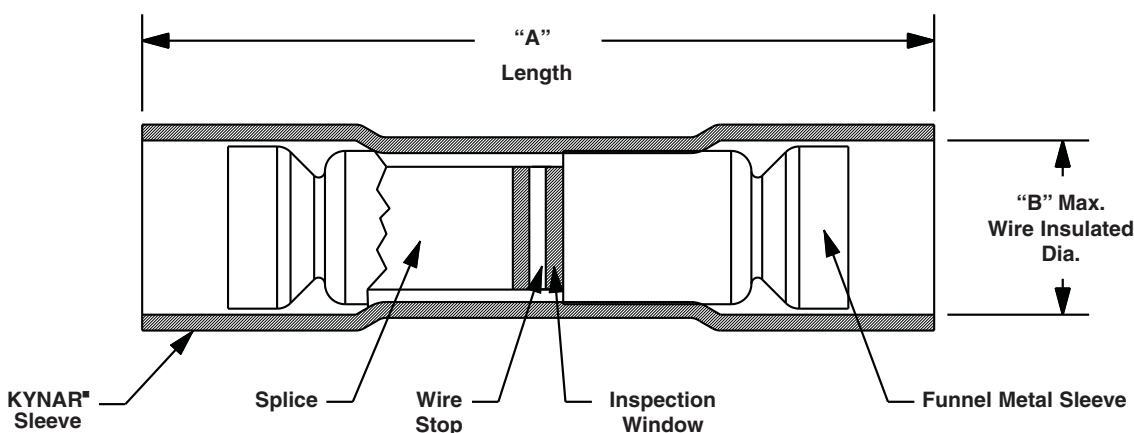
|                         |           |
|-------------------------|-----------|
| <b>#10 stud size:</b>   | PK2-10R-T |
| <b>1/4" stud size:</b>  | PK2-14R-T |
| <b>5/16" stud size:</b> | PK2-56R-T |
| <b>3/8" stud size:</b>  | PK2-38R-T |
| <b>1/2" stud size:</b>  | PK2-12R-T |

\*KYNAR is a registered trademark of Atofina Chemicals Inc.

# KYNAR® Insulated Butt Splices

## product information

| Part Number  | Wire Range (AWG) | Wire Range (mm²) | Color Code    | (A) Length |      | (B) Max. Wire Ins. |      | Wire Strip Length (in.) | Wire Strip Length (mm) | Recommended Installation Tool |
|--------------|------------------|------------------|---------------|------------|------|--------------------|------|-------------------------|------------------------|-------------------------------|
|              |                  |                  |               | (in.)      | (mm) | (in.)              | (mm) | [+1/32 -0]              | [+0.8 -0]              |                               |
| <b>BSK18</b> | 22 – 18          | 0.5 – 10         | Red Stripe    | 1.12       | 28.5 | 0.14               | 3.5  | 3/8                     | 9.5                    | CT-400                        |
| <b>BSK14</b> | 16 – 14          | 1.5 – 2.5        | Blue Stripe   | 1.12       | 28.5 | 0.16               | 4.1  | 3/8                     | 9.5                    | CT-400, CT-460                |
| <b>BSK10</b> | 12 – 10          | 4.0 – 6.0        | Yellow Stripe | 1.24       | 31.5 | 0.23               | 5.7  | 3/8                     | 9.5                    | CT-460                        |



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