

- Moisture and abrasion resistant
- Provides strain relief
- Resist wire pull-out
- Easy to install

Heat-shrinkable nylon crimp splices and terminals

DuraSeal products insulate and protect electrical connections from mechanical abuse, wire pull-out, and abrasion while resisting water, salt, and other contaminants.

DuraSeal devices provide a tough, environmentally sealed wire connection. Their crimp barrel or terminal, encased in

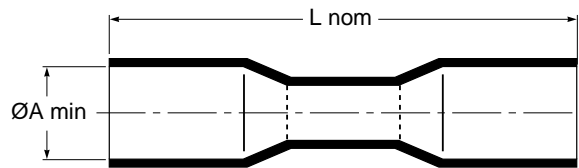
rugged, heat-shrinkable nylon tubing lined with a special hot-melt adhesive, resists damage from abrasions and cuts.

DuraSeal devices retain flexibility and impact resistance long after similar products have become brittle.

DuraSeal devices accommodate wire gauge sizes 22 to 10. They are color-coded for easy identification of gauge sizes, yet transparent for inspection of the finished splice.

Product dimensions

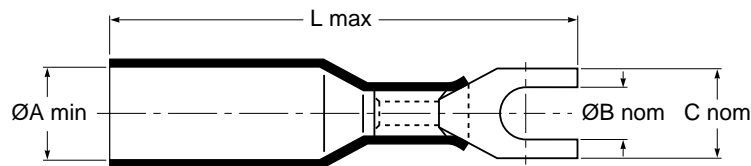
Butt splices



Product dimensions

| Part number | A min. | L nom. | Color | Wire dimensions | | |
|-------------|--------|--------|--------|-----------------|----------------------|----------------------|
| | | | | Conductor (awg) | Insulation O.D. max. | Insulation O.D. min. |
| D-406-0001 | .145 | 1.25 | Red | 22-18 | .150 | .055 |
| D-406-0002 | .180 | 1.25 | Blue | 16-14 | .175 | .080 |
| D-406-0003 | .250 | 1.50 | Yellow | 12-10 | .250 | .110 |

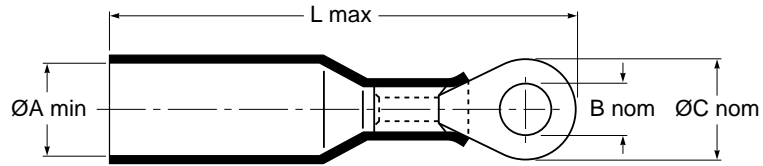
Fork terminals



Product dimensions

| Part number | A min. | B-stud recommended size | C nom. | L max. | Color | Wire dimensions | | |
|-------------|--------|-------------------------|--------|--------|--------|-----------------|----------------------|----------------------|
| | | | | | | Conductor (awg) | Insulation O.D. max. | Insulation O.D. min. |
| B-106-2401 | .15 | 8 | .31 | 1.26 | Red | 22-18 | .150 | .055 |
| B-106-2402 | .18 | 8 | .31 | 1.38 | Blue | 16-14 | .175 | .080 |
| B-106-2502 | .18 | 10 | .39 | 1.38 | Blue | 16-14 | .175 | .080 |
| B-106-2403 | .25 | 8 | .31 | 1.50 | Yellow | 12-10 | .250 | .110 |
| B-106-2503 | .25 | 10 | .39 | 1.58 | Yellow | 12-10 | .250 | .110 |

Ring terminals

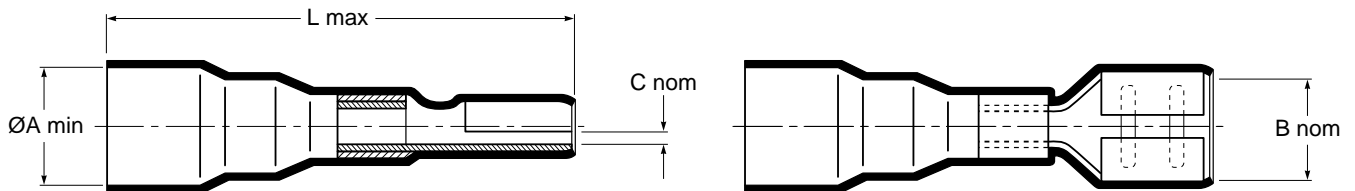


Product dimensions

Wire dimensions

| Part number | A min. | B-stud recommended size | C nom. | L max. | Color | Conductor (awg) | Insulation O.D. max. | Insulation O.D. min. |
|-------------|--------|-------------------------|--------|--------|--------|-----------------|----------------------|----------------------|
| B-106-1401 | .15 | 8 | .31 | 1.26 | Red | 22-18 | .150 | .055 |
| B-106-1501 | .15 | 10 | .39 | 1.34 | Red | 22-18 | .150 | .055 |
| B-106-1601 | .15 | 1/4 | .47 | 1.42 | Red | 22-18 | .150 | .055 |
| B-106-1801 | .15 | 5/16 | .55 | 1.54 | Red | 22-18 | .150 | .055 |
| B-106-1991 | .15 | 3/8 | .70 | 1.70 | Red | 22-18 | .150 | .055 |
| B-106-1402 | .18 | 8 | .31 | 1.30 | Blue | 16-14 | .175 | .080 |
| B-106-1502 | .18 | 10 | .39 | 1.38 | Blue | 16-14 | .175 | .080 |
| B-106-1602 | .18 | 1/4 | .47 | 1.44 | Blue | 16-14 | .175 | .080 |
| B-106-1802 | .18 | 5/16 | .55 | 1.58 | Blue | 16-14 | .175 | .080 |
| B-106-1992 | .18 | 3/8 | .70 | 1.73 | Blue | 16-14 | .175 | .080 |
| B-106-1403 | .25 | 8 | .31 | 1.50 | Yellow | 12-10 | .250 | .110 |
| B-106-1503 | .25 | 10 | .39 | 1.58 | Yellow | 12-10 | .250 | .110 |
| B-106-1603 | .25 | 1/4 | .47 | 1.64 | Yellow | 12-10 | .250 | .110 |
| B-106-1803 | .25 | 5/16 | .55 | 1.78 | Yellow | 12-10 | .250 | .110 |
| B-106-1993 | .25 | 3/8 | .70 | 1.85 | Yellow | 12-10 | .250 | .110 |

Push-on terminals



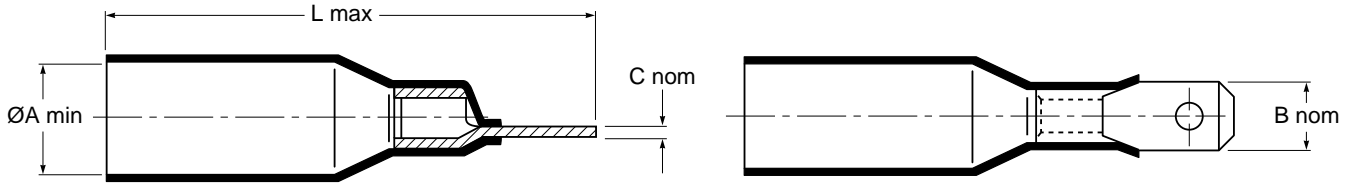
Product dimensions

Wire dimensions

| Part number | A min. | B nom. | C nom. | L max. | Color | Conductor (awg) | Insulation O.D. max. | Insulation O.D. min. |
|-------------|--------|--------|--------|--------|-------|-----------------|----------------------|----------------------|
| B-106-3631 | .150 | .250 | .032 | 1.20 | Red | 22-18 | .150 | .055 |
| B-106-3632 | .180 | .250 | .032 | 1.26 | Blue | 16-14 | .175 | .080 |
| B-106-3281 | .150 | .110 | .020 | .900 | Red | 22-18 | .150 | .055 |

Product dimensions (continued)

Tab terminals

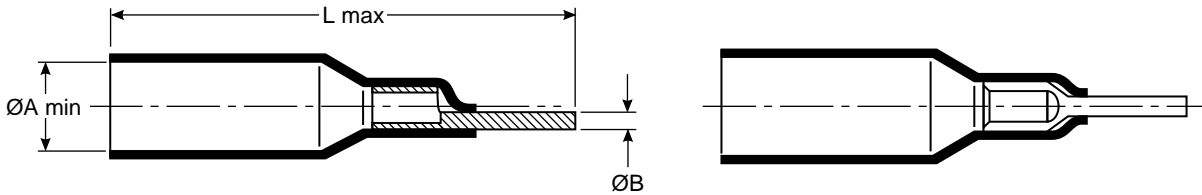


Product dimensions

Wire dimensions

| Part number | A min. | B nom. | C nom. | L max. | Color | Conductor (awg) | Insulation O.D. max. | Insulation O.D. min. |
|-------------|--------|--------|--------|--------|-------|-----------------|----------------------|----------------------|
| B-106-4631 | .150 | .250 | .032 | 1.20 | Red | 22-18 | .150 | .055 |
| B-106-4632 | .180 | .250 | .032 | 1.26 | Blue | 16-14 | .175 | .080 |

Pin terminals

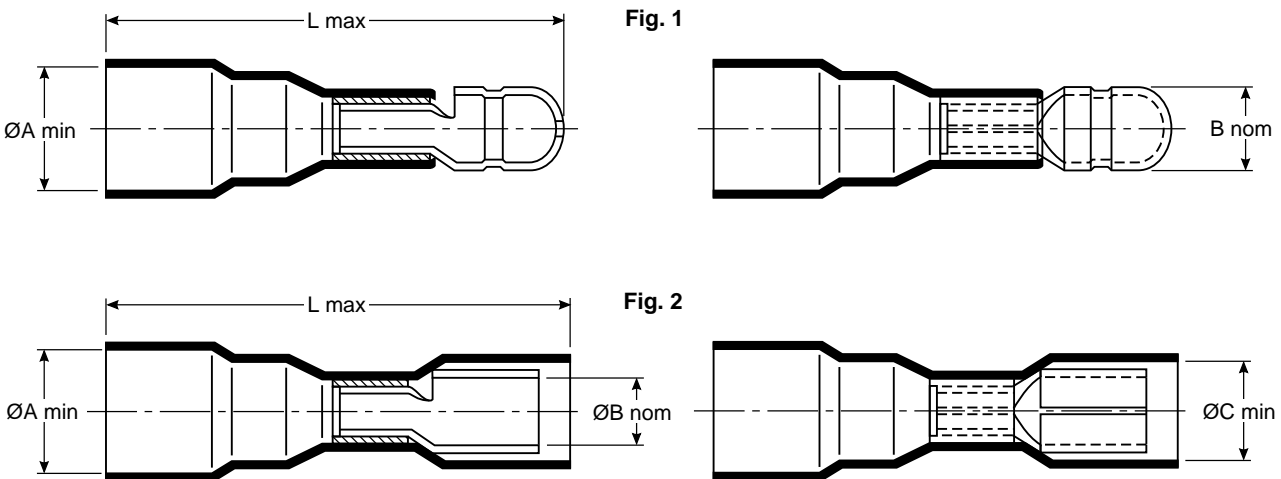


Product dimensions

Wire dimensions

| Part number | A min. | B nom. | L max. | Color | Conductor (awg) | Insulation O.D. max. | Insulation min. |
|-------------|--------|--------|--------|-------|-----------------|----------------------|-----------------|
| B-106-6201 | .150 | .080 | 1.22 | Red | 22-18 | .150 | .055 |

Bullet terminals



Product dimensions

Wire dimensions

| Part number | Fig. | Type | A min. | B nom. | C min. | L max. | Color | Conductor (awg) | Insulation O.D. max. | Insulation O.D. min. |
|-------------|------|------|--------|--------|--------|--------|-------|-----------------|----------------------|----------------------|
| B-106-7401 | 1 | M | .150 | .150 | - | 1.32 | Red | 22-18 | .150 | .055 |
| B-106-7502 | 1 | M | .180 | .200 | - | 1.36 | Blue | 16-14 | .175 | .080 |
| B-106-8401 | 2 | F | .150 | .150 | .220 | 1.20 | Red | 22-18 | .150 | .055 |
| B-106-8502 | 2 | F | .180 | .200 | .240 | 1.28 | Blue | 16-14 | .175 | .080 |

Product characteristics

Physical

| Property | Unit | Method of test | Requirement |
|------------------|--------|------------------|------------------------------|
| Dimensions | Inches | None | See product dimensions |
| Tensile strength | Pounds | UL486C, IEC512-8 | 8 to 40 lbs depending on AWG |

Electrical

| Property | Unit | Method of test | Typical value |
|------------------------------|------------|-----------------------------------|--------------------------------|
| Voltage drop | Millivolts | MIL-S-81824, IEC512-2 | Less than equal length of wire |
| Insulation resistance | Megohms | MIL-STD-202 Method 302 | 10 ³ megohms min. |
| Dielectric withstand voltage | Kilovolt | MIL-STD-202F method 301, IEC512-2 | 2.5 kV |

Chemical (fluid resistance)

| Property | Method of test | Requirement |
|---------------|-----------------------|---|
| Diesel fuel | ASTM D 3032, ESA-603D | Meets electrical test listed above after conditioning |
| Brake fluid | | |
| Antifreeze | | |
| 5% salt water | | |
| Motor oil | | |

Environmental

| Property | Method of test | Requirement |
|-------------------------|--|---|
| Humidity | MIL-STD-202F method 106, IEC68-2-30 | Meets electrical test listed above after conditioning |
| Immersion | MIL-STD-202F condition C, IEC68-2-14 test NC | |
| Vibration | MIL-STD-202F method 201, IEC68-2-6 | |
| Bending | UL486C, IEC512-8 | |
| Thermal shock | MIL-STD-202F method 107, IEC68-2-14 test N | |
| Heat aging (85° @ 168H) | MIL-STD-202F, IEC68-2-2 | |
| Salt spray | MIL-STD-202F method 101, IEC68-2-11 | |

Operating conditions

| Property | Method of test | Requirement |
|----------------------------|----------------|-----------------|
| Temperature rating | None | -55°C to +125°C |
| Minimum shrink temperature | None | 180°C |
| Voltage rating | None | 600 volt max |

Approvals and reference documents

| | | |
|---------------------|--|--|
| Agency approvals | UL listed component, file E87681, butt splices only Terminals meet applicable performance requirements of UL stds. no. 486A, 486C and 310 | |
| Reference documents | Raychem specifications | RB-107, Specification DuraSeal crimp splices |
| | Raychem specifications | RB-108, Specification DuraSeal crimp terminals |
| | DuraSeal selection guide | H54153 |
| | DuraSeal installation guidelines | H54154 |

Ordering information

| | |
|--------------------|--|
| Standard packaging | Product supplied in bulk, 500 or 1000 pieces per box, depending on size. For other packaging options consult factory. |
|--------------------|--|

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