

# C518

## 5 mm x 15 mm Fast-acting glass tube fuses



### Agency information

- UL Recognition Card: Guide JDYX2, File E19180
- CSA Certification Card: Class 1422-01, File 53787

### Ordering

- Specify product code: Insert packaging code prefix before part number. E.g. BK (or TR2)/C518-2-R
- Specify option code, if desired: For insulation sleeve, insert "S" after part series. E.g. BK/C518S-2-R
- With TR2 packaging code, lead wire length is 20.3mm

### Product features

- Axial-leaded fast-acting
- 5 x 15mm physical size
- Nickel-plated brass endcap construction
- Optional insulation sleeve is flexible fluoropolymer (UL Flammability rating VW-1).
- UL Listed product meets standard UL 248-14

| Electrical Characteristics |            |                 |
|----------------------------|------------|-----------------|
| Rated Current              | Amp Rating | Opening Time    |
| 100mA-5A                   | 100%       | None            |
|                            | 135%       | 60 minutes max. |
|                            | 200%       | 2 seconds max.  |

| Part Number | Voltage Rating<br>Vac | Interrupting Rating<br>at Rated Voltage (amps) |        | Typical DC Cold<br>Resistance*<br>(Ω) | Typical<br>Melting I <sup>2</sup> t**<br>AC | Max<br>Voltage<br>Drop (mV)*** |
|-------------|-----------------------|--|--------|---------------------------------------|---|--------------------------------|
|             |                       | 250Vac   | 125Vac |                                       |   |                                |
|             |                       | C518-100-R                                     | 250    |                                       |   |                                |
| C518-125-R  | 250                   | 35   | 10,000 | 15.20                                 | 0.0019                                      | 1930                           |
| C518-250-R  | 250                   | 35   | 10,000 | 5.66                                  | 0.012                                       | 1450                           |
| C518-375-R  | 250                   | 35   | 10,000 | 2.53                                  | 0.039                                       | 968                            |
| C518-500-R  | 250                   | 35   | 10,000 | 1.66                                  | 0.059                                       | 845                            |
| C518-750-R  | 250                   | 35   | 10,000 | 0.91                                  | 0.264                                       | 686                            |
| C518-1.5-R  | 250                   | 100  | 10,000 | 0.900                                 | 0.800                                       | 135                            |
| C518-2-R    | 250                   | 100  | 10,000 | 0.064                                 | 1.9   | 136                            |
| C518-2.5-R  | 250                   | 100  | 10,000 | 0.046                                 | 2.9   | 121                            |
| C518-3-R    | 250                   | 100  | 10,000 | 0.038                                 | 6.1   | 116                            |
| C518-3.5-R  | 250                   | 100  | 10,000 | 0.032                                 | 9.7   | 115                            |
| C518-4-R    | 250                   | 200  | 10,000 | 0.022                                 | 16.6  | 88                             |
| C518-5-R    | 250                   | 200  | 10,000 | 0.018                                 | 22.4  | 91                             |

\* DC Cold Resistance (Measured at <10% of rated current)

\*\* Typical Melting I<sup>2</sup>t (A<sup>2</sup>Sec) (Minimum at 10 times rated current)

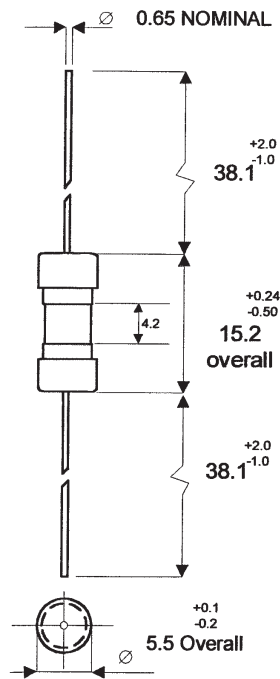
\*\*\* Typical Voltage Drop (Voltage drop was measured at 20°C ambient temperature at rated current)



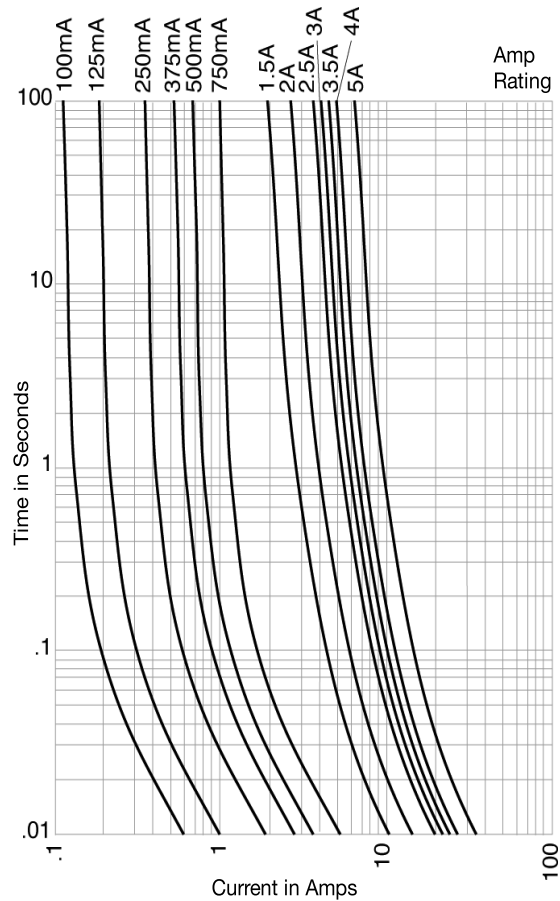
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**Dimensions - mm**

Drawing Not to Scale



**Time-Current Curve**  
**Time-Current Characteristic Curves—Average Melt**



| Packaging Code        |  |
|-----------------------|--|
| Packaging Code Prefix | Description  |
| BK                    | 100 fuses packed into a cardboard carton                         |
| TR2                   | 1,500 fuses packed into tape on a reel (20.3mm lead wire length) |

| Option Code |                   |
|-------------|-------------------|
| Option Code | Description       |
| S           | Insulation Sleeve |

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Printed in USA  
Publication No. 2026 BU-SB09718  
May 2017

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