

# JCASE<sup>®</sup> Cartridge Fuses

## Rated 32V



### Specifications

<b>Voltage Rating:</b>	32 V DC
<b>Interrupting Rating:</b>	1000A @ 32 V DC
<b>Recommended Environmental Temperature:</b>	-40 °C to +125 °C
<b>Housing Material:</b>	PA66-GF13 (U.L. 94 Flammability rating – HB)
<b>Housing Material (60A):</b>	PA66-GF13HS (U.L. 94 Flammability rating – HB)
<b>Cover Material:</b>	PC (U.L. 94 Flammability rating – HB)
<b>Net Weight per Fuse:</b>	3.8 g ± 10%
<b>Fuse Insertion Force:</b>	53 N Max. (12 lb.)
<b>Extraction Force:</b>	9 N Min (2 lb.)
<b>Complies with:</b>	SAE 2741, ISO 8820-4

### Features & Benefits

- Color coding shows the amperage rating for each fuse
- Semitransparent cover makes it easier to see when fuse blows
- SHUNT version available
- High-contrast amperage stamp on the top of the housing aids identification

### Applications

- Cars
- Trucks
- SUVs
- Offroad vehicles
- Buses
- Watercraft as approved by Littelfuse<sup>®</sup>

### Description

The JCASE<sup>®</sup> is a cartridge style fuse with female terminal design. JCASE provides both increased time delay and low voltage drop to protect high current circuits. JCASE has the ability to handle inrush currents.








### Ordering Information

Part Number	Rating	Package Size
0495xxx.ZXA	20–60	2200
0495xxx.UXA	20–60	500
0495xxx.TXA	20–60	10
0495900.Z	SHUNT	2200
0495900.X	SHUNT	1

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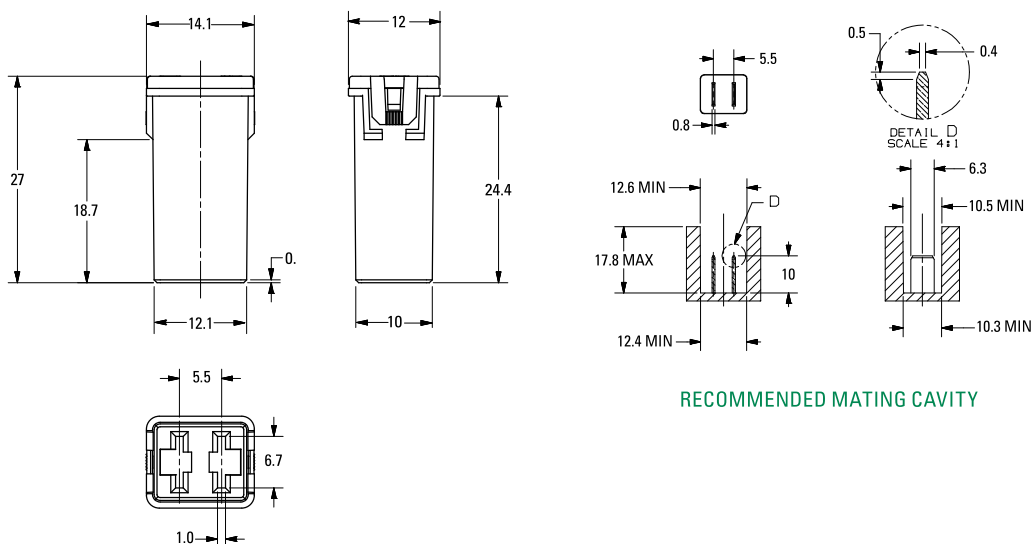
### Ratings

Part Number	Current Rating (A)	Housing Material Color	Test Cable Size (mm <sup>2</sup> )	Typ. Voltage Drop (mV)	Typ. Cold Resistance (mΩ)	Typ. I <sup>2</sup> t (A <sup>2</sup> s)
0495020_	20		4	106	4.29	1 700
0495025_	25		4	101	3.28	3 200
0495030_	30		4	91	2.12	1 500
0495040_	40		4	87	1.30	3 700
0495050_	50		6	88	0.99	8 800
0495060_	60		6	87	0.76	19 500
0495900_	SHUNT		-	-	-	-

The typical I<sup>2</sup>t is an average value calculated from the breaking capacity tests by using the melting time before the arcing occurs.

### Dimensions

Dimensions in mm for reference only.  
See outline drawing for dimensions and tolerances.

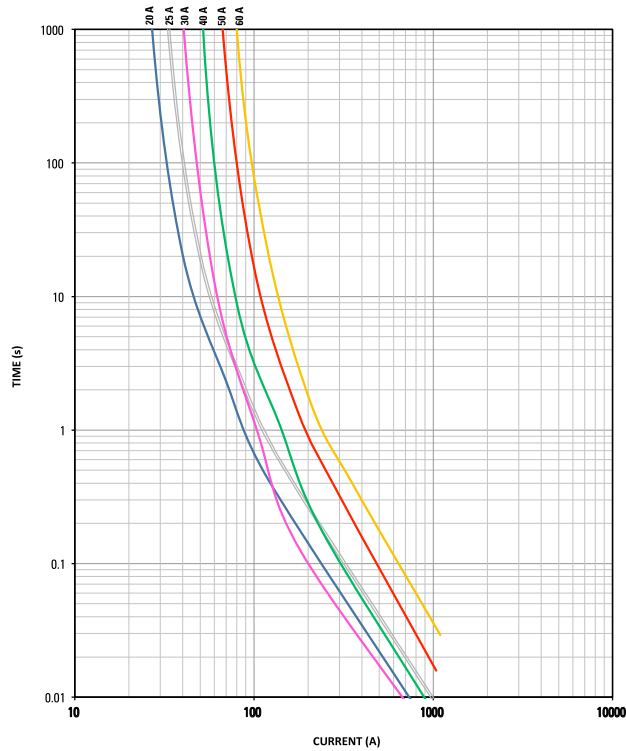


RECOMMENDED MATING CAVITY

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### Time-Current Characteristic Curves

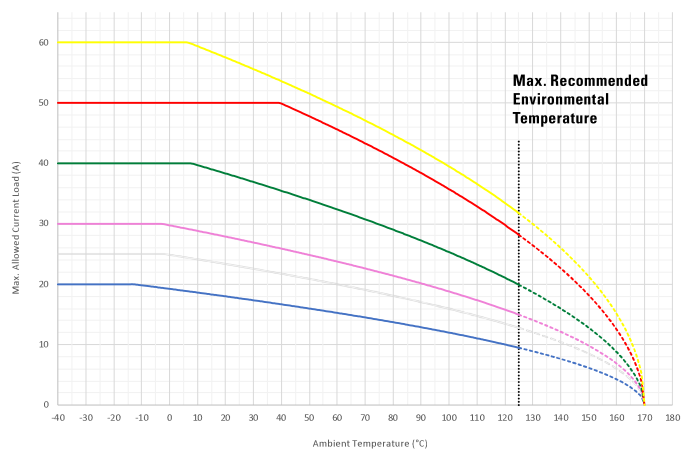


### Time-Current Characteristics

% of Rating	Opening Time Min / Max (s)
110	360 000 / ∞
135	60 / 1 800
200	4 / 60
350	0.2 / 7
600	0.04 / 1

### Typical Derating of Fuse Melting Element

Temperature Security Margin is 20%  
Please contact Littelfuse for Details Regarding Derating Test Set-Up.



Derating curves may change depending on the final condition of the application (terminals characteristics, wire size etc.). Please ask Littelfuse for more information.

### Temperature Table

	Max. allowed current load (A) at ambient temperature (typical derating)						
	-40 °C	0 °C	20 °C	65 °C	85 °C	110 °C	125 °C
20 A	20	20	20	17	15	12	10
25 A	25	25	25	20	18	15	13
30 A	30	30	30	28	25	21	18
40 A	40	40	40	37	33	27	23
50 A	50	50	49	40	36	29	25
60 A	60	60	60	51	46	38	33