



CFBA4199 Series

July 2017

Standard Bonding Lead Solutions

CFBA4199-004 bonding leads are designed specifically for Aerospace and Military applications. They have undergone extensive mechanical and electrical testing, including flex testing to 250,000 cycles, sinusoidal and random vibration cycles, salt mist testing and temperature cycling.

CFBA4199-004 bonding leads are manufactured from multi-layer round braid and are available in tin-plated and nickel-plated copper in a variety of cross-sectional areas, lengths and termination options.

Operating Temperature

- Tin-plated Cu: -65°C to +150°C
- Nickel-plated Cu: -65°C to +260°C

Performance Testing

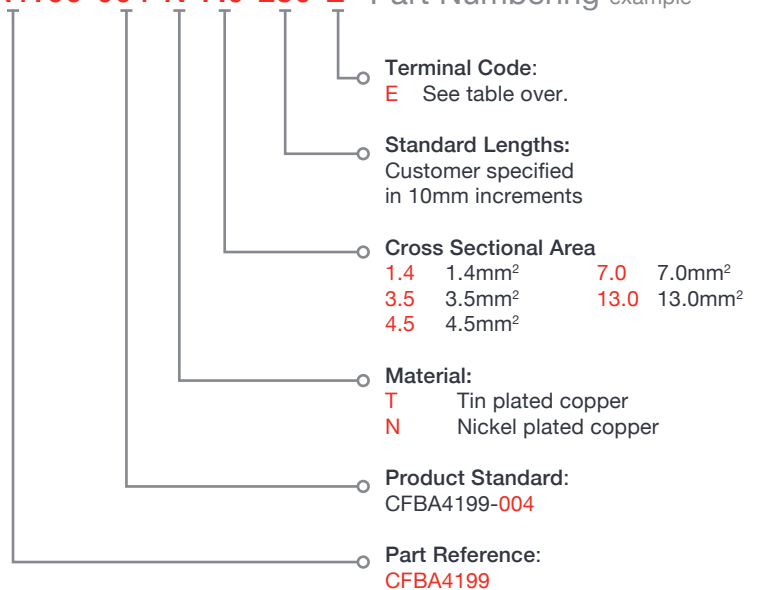
- Sinusoidal and random vibration
- Mechanical fatigue 250,000 cycles
- Salt mist, 48 hrs
- Temperature endurance
- Terminal ageing by temperature and current cycling
- Voltage drop
- Tensile strength



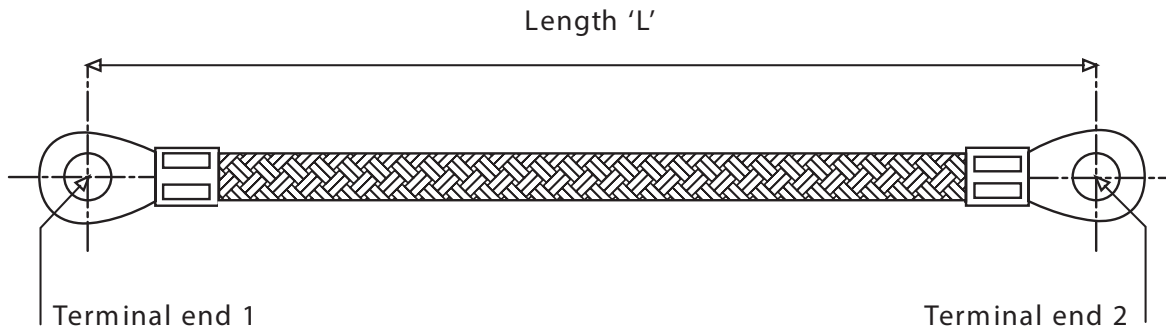
Tested to EN4199-001 Designed for Aerospace and Defence Applications

Choice of Terminal Sizes Tin and Nickel Plated Copper

CFBA4199-004-N-7.0-250-E Part Numbering example



Standard Configurations



Terminal Availability by Cross Sectional Area

Terminal Code	End One		End Two		Availability for Cross-Sectional Area				
	Stud	Hole Ø	Stud	Hole Ø	1.4mm ²	3.5mm ²	4.5mm ²	7.0mm ²	13.0mm ²
A	#6	3.68mm	#6	3.68mm	✓	✓	✓		
B	#8	4.34mm	#8	3.68mm	✓	✓	✓		
C	#10	5.00mm	#6	3.68mm	✓	✓	✓		
D	1/4"	6.73mm	#6	3.68mm	✓	✓	✓		
E	#8	4.34mm	#8	4.34mm	✓	✓	✓	✓	
F	#10	5.00mm	#8	4.34mm	✓	✓	✓	✓	
G	1/4"	6.73mm	#8	4.34mm	✓	✓	✓	✓	
H	#10	5.00mm	#10	5.00mm	✓	✓	✓	✓	✓
J	1/4"	6.73mm	#10	5.00mm	✓	✓	✓	✓	✓
K	1/4"	6.73mm	1/4"	6.73mm	✓	✓	✓	✓	✓
L	5/16"	8.33mm	#10	5.00mm	✓			✓	✓
M	5/16"	8.33mm	5/16"	8.33mm	✓			✓	✓
N	5/16"	8.33mm	1/4"	6.73mm					✓

Standard Lengths Available by Cross Sectional Area

Standard Lengths 'L' mm	Availability for Cross-Sectional Area				
	1.4mm ²	3.5mm ²	4.5mm ²	7.0mm ²	13.0mm ²
63	✓			✓	
80	✓	✓	✓	✓	✓
100	✓	✓	✓	✓	✓
125	✓	✓	✓	✓	✓
160	✓	✓	✓	✓	✓
200	✓	✓	✓	✓	✓
250	✓	✓		✓	✓
315	✓			✓	
400	✓	✓	✓	✓	
500		✓		✓	
630				✓	
800				✓	

Other lengths are available

All information provided is believed to be reliable. We advise however that customers should separately evaluate the suitability of our products for their particular application. IS-Rayfast give no guarantee in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect, or consequential damage or damages from the sale, resale, transfer, use or misuse of the product.

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