

HPLB 8mm ROUND TERMINAL SERIES



HPLB 8mm Male Terminals

BENEFITS

- Patented system provides best in class performance over the full temperature range
- 90/180° cable orientation with welding pad
- Welding pad designed for cross sections of 25 - 50 mm²
- Aluminum and copper versions available
- 360° terminal contact

FEATURES

- Highly efficient conductor path
- Optimized terminal normal force
- Meets USCAR-25 ergonomics
- USCAR-2 T4-V4-S3 Performance
- IP67 and 9K Performance



AVAILABLE CONFIGURATIONS

Terminal Construction	Three-piece
Connector Size (mm)	8
Wire Gage Range (AWG)	3 – 1/0
Wire Gage Range (mm ²)	25 - 50
Genders	Male
Sealing Options	Cable Sealed
Plating Options	Sn, Ag
Mating Dimension (mm)	11.0 OD x 9.8 ID



TECHNICAL CHARACTERISTICS

Contact Resistance	0.22 mΩ
Contact Mating Force	14 N
Contact Unmating Force	13 N
Mating Cycles	30 (Sn) / 50 (Ag)

MAX TEMP



MAX VIBRATION



MAX CURRENT AT 23°C



Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm ²)	Part number	Other available platings	Other available configurations
Cable Sealed	M	Ag	3 – 1/0	25 - 50	J00-4387	Sn	180° version



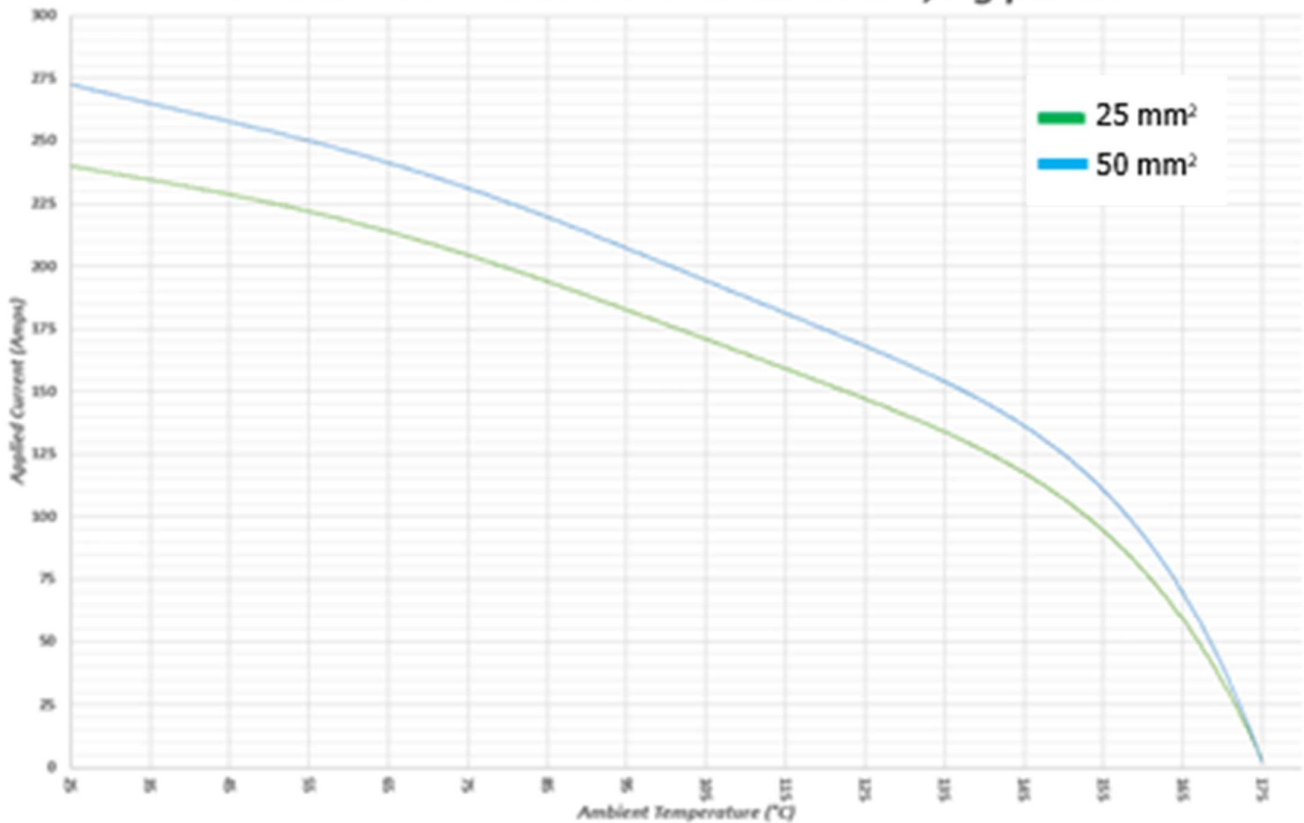
DERATING CURVES

Cable Range: 25 – 50mm²
Attachment Method: Ultrasonic
Contact Plating: Ag or Sn
Test Method: Single Circuit in free air
Mated To: HPLB Female Terminal
11.0mm O.D. x 9.8mm I.D.

The test data was collected from single circuits in a draft free enclosure. This model does not account for all the variables that would be present in an actual application. For additional detailed product performance, visit our website at

RoyalPowerSolutions.com

Round 8.0 HPLB De... Cu conductor, Ag plated



Part numbers, specifications, dimensions and performance data in this document are for general references only and are subject to change without notice. To verify product information, please contact a Royal Power Solutions representative.

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