

# Delphi Low-Current Ducon™ Series

**Description** – Delphi’s low-current Ducon connection system is available in sealed and unsealed versions. Available for terminal sizes 0.8 mm, 1.5 mm and 2.8 mm.

**Typical Applications –**

- Doors off connections (front and rear)
- Electrical mirror switches
- Engine in-line interface (engine / body front harness)
- Light module switches
- IP in-line interface (body rear-front harness)

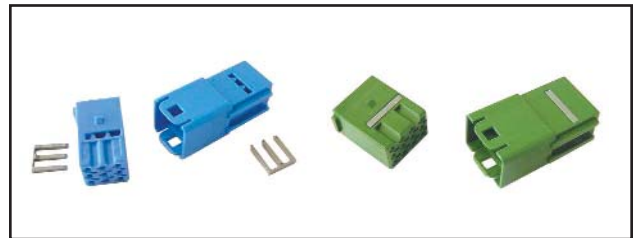
**Performance Advantages –**

- Superior electric performance within market segment
- Sealed and unsealed systems available

Features	Benefits
High energy, high voltage capability	– Ideally suited for higher conductivity requirements within smaller terminal sizes.
Excellent temperature and vibration resistance	– Superior performance in engine compartment areas subject to high vibration and temperature exposure.
Robust two-piece design	– Superior performance for primary and secondary retention force applications. Optimal protection for contact area.
Multiple contact points	– Key design feature in helping achieve superior electrical performance.



0.8 mm Connectors



1.5 mm Connectors



2.8 mm Connectors



Mixed Connectors

# DELPHI

[www.delphi.com/connect](http://www.delphi.com/connect)

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## Application Guidelines

### 0.8 mm

Cable Range . . . . . 0.5 mm<sup>2</sup> - 1.0 mm<sup>2</sup>  
 Current Range . . . . . 0 - 15 amps  
 Temperature Range . . . . . -40°C to +135°C  
 Resistance . . . . . <10 mΩ @ 20 mV  
 Voltage Drop . . . . . <4.0 mV/amp

### 1.5 mm

Cable Range . . . . . 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>  
 Current Range . . . . . 25 amps  
 Temperature Range . . . . . -40°C to +135°C  
 Resistance . . . . . <10 mΩ @ 20 mV  
 Voltage Drop . . . . . <4.0 mV/amp

### 2.8 mm

Cable Range . . . . . 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>  
 Current Range . . . . . 33 amps  
 Temperature Range . . . . . -40°C to +135°C  
 Resistance . . . . . <10 mΩ @ 20 mV  
 Voltage Drop . . . . . <4.0 mV/amp



0.8 mm

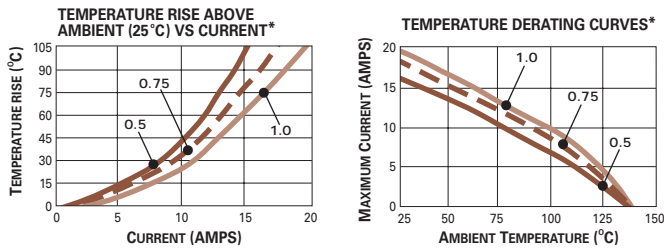


1.5 mm

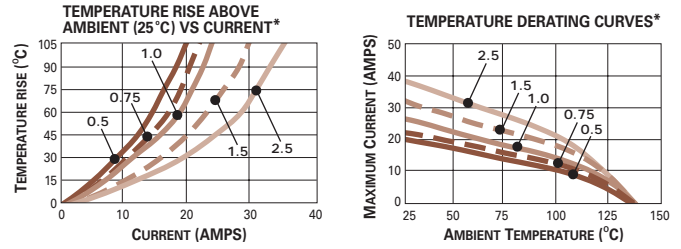


2.8 mm

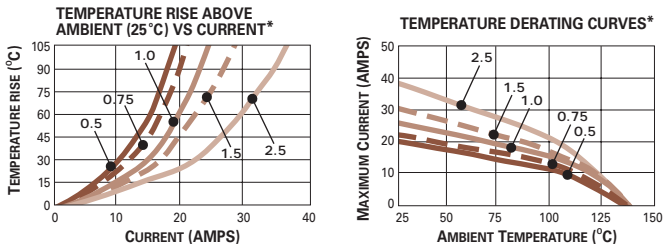
### 0.8 SERIES TERMINALS—Tin Plated



### 2.8 SERIES TERMINALS—Tin Plated



### 1.5 SERIES TERMINALS—Tin Plated



\*The test data are based on single circuits in free space and were generated using a "Lumped Resistance" model. This model does not account for all of the variables that would be present in an actual application. For actual product performance, please contact Delphi Connection Systems at [1] 248.813.2334.