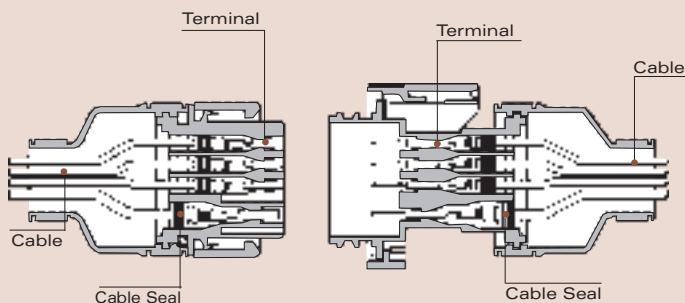




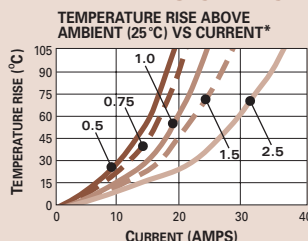
Sealed System Application Information



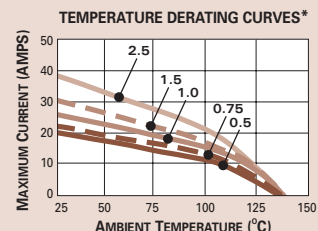
**Female
Connector
Assembly**

**Male
Connector**

1.5 SERIES TERMINALS-Tin Plated



CABLE RANGE (mm²): 0.5-1.0
CURRENT RANGE (AMPS): 25
TEMP RANGE °C: -40 to 135
RESISTANCE: <10mΩ@20mV



VOLTAGE DROP: <4.0mV/amp
CENTERLINE SPACING (mm):
..... Connector Dependent
BLADE WIDTH (mm): 1.5

*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, contact your regional support representative at the number listed below.

1.5 FEMALE TERMINALS SEALED

Part #	Cable Range (mm²)	Material	Plating
12158097	1.0-0.5	Copper Nickel Silicon Alloy	Tin
10717964	2.5-1.5	Copper Nickel Silicon Alloy	Tin

2.8 FEMALE TERMINALS SEALED

Part #	Cable Range (mm²)	Material	Plating
12158098	1.0-0.5	Copper Nickel Silicon Alloy	Tin
12185008	2.5-1.5	Copper Nickel Silicon Alloy	Tin

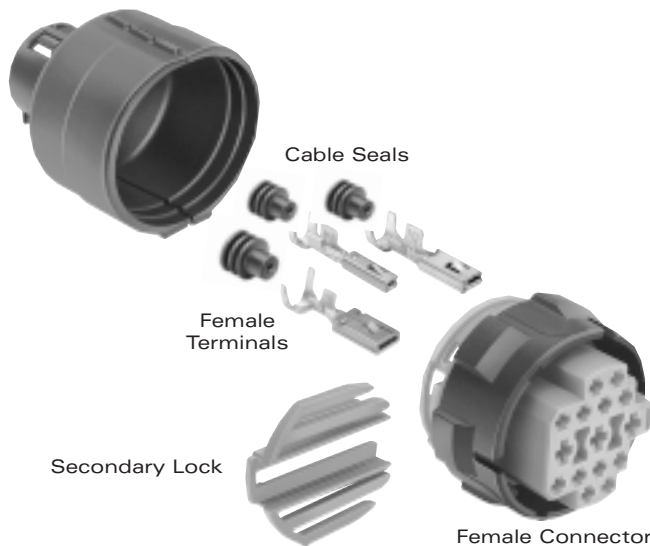
4.8 FEMALE TERMINALS SEALED

Part #	Cable Range (mm²)	Material	Plating
12185009	1.0-0.5	Copper Nickel Silicon Alloy	Tin
12185550	2.5-1.5	Copper Nickel Silicon Alloy	Tin
10717927	6.0-4.0	Copper Nickel Silicon Alloy	Tin

1.5 & 2.8 DUCON CABLE SEALS

Reel Part #	Loose Part #	Cable Diameter	Material	Color
12089442	12048087	2.00-1.20	Silicone	Blue
10720769	15363981	2.40-1.60	Silicone	White
15363992	12048086	2.90-2.00	Silicone	Dk. Red

Conduit Cover (optional)



MIXED FEMALE CONNECTOR ASSEMBLIES SEALED

# Cavities	Connector	Color	Material	Secondary Lock
15	15344069	Orange	PA66	12185005
20	12158095	Blue	PA66	12158096

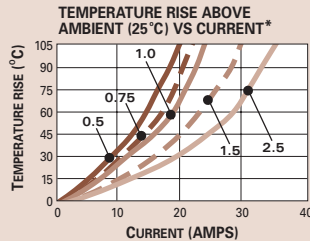
4.8 DUCON CABLE SEALS

Reel Part #	Loose Part #	Cable Diameter	Material	Color
12052931	12052930	2.00-1.20	Silicone	Yellow
12048433	12048441	2.90-2.00	Silicone	White
12052452	12048442	3.80-2.80	Silicone	Red
12052453	12048443	4.50-3.80	Silicone	Violet

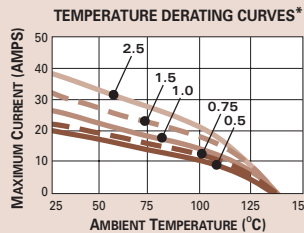


Sealed System Application Information

2.8 SERIES TERMINALS-Tin Plated

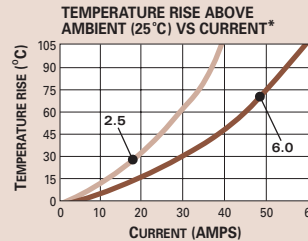


CABLE RANGE (mm²): 0.5-1.0
CURRENT RANGE (AMPS): 33
TEMP RANGE °C: -40 to 135
RESISTANCE: <10mΩ@20mV

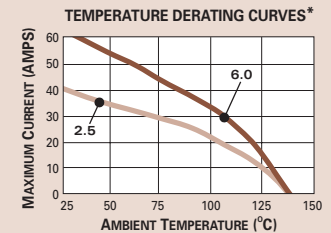


VOLTAGE DROP: <4.0mV/amp
CENTERLINE SPACING (mm):
..... Connector Dependent
BLADE WIDTH (mm): 2.8

4.8 SERIES TERMINALS-Tin Plated



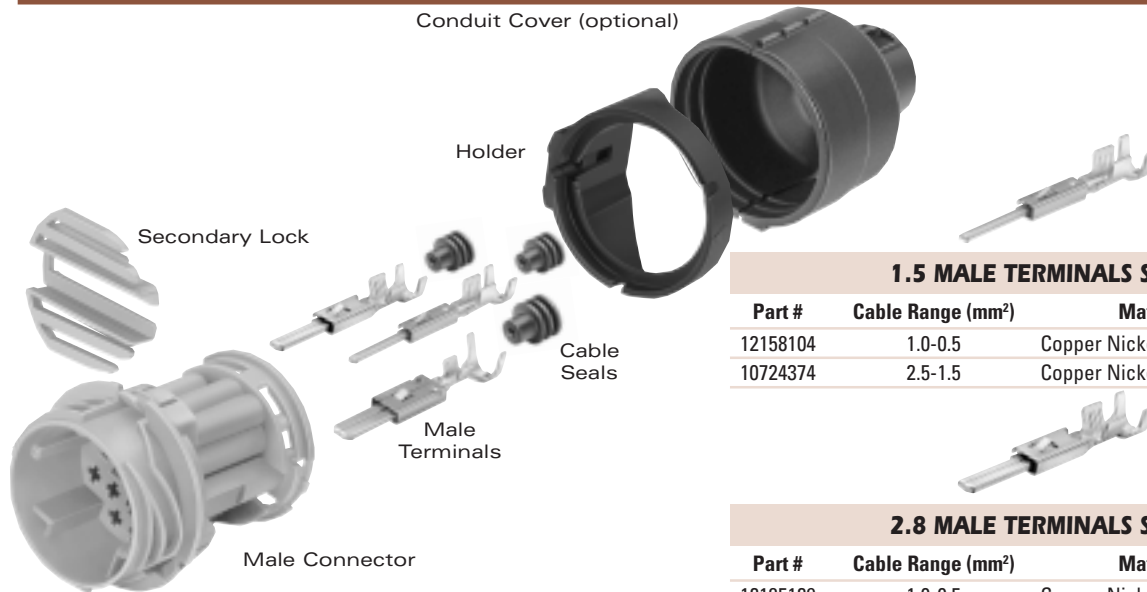
CABLE RANGE (mm²): 0.5-2.5
CURRENT RANGE (AMPS): 45
TEMP RANGE °C: -40 to 135
RESISTANCE: <10mΩ@20mV



VOLTAGE DROP: <4.0mV/amp
CENTERLINE SPACING (mm):
..... Connector Dependent
BLADE WIDTH (mm): 4.8

*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, contact your regional support representative at the number listed below.

Conduit Cover (optional)



1.5 MALE TERMINALS SEALED

Part #	Cable Range (mm²)	Material	Plating
12158104	1.0-0.5	Copper Nickel Silicon Alloy	Tin
10724374	2.5-1.5	Copper Nickel Silicon Alloy	Tin

2.8 MALE TERMINALS SEALED

Part #	Cable Range (mm²)	Material	Plating
12185129	1.0-0.5	Copper Nickel Silicon Alloy	Tin
12185237	2.5-1.5	Copper Nickel Silicon Alloy	Tin

4.8 MALE TERMINALS SEALED

Part #	Cable Range (mm²)	Material	Plating
12185235	1.0-0.5	Copper Nickel Silicon Alloy	Tin
12185236	2.5-1.5	Copper Nickel Silicon Alloy	Tin
10724435	6.0-4.0	Copper Nickel Silicon Alloy	Tin

MIXED MALE CONNECTORS SEALED

# Cavities	Connector	Color	Material	Secondary Lock
15	10740396	Orange	PA66	12185005
20	10717689	Blue	PA66	12158096

1.5 & 2.8



4.8



1.5 & 2.8 DUCON CAVITY PLUGS*

Part #	Cavity Inside Diameter	Material	Color
15337197	5.2mm	Silicone	White
10730124	5.2mm	Silicone	Green

4.8 DUCON CAVITY PLUG*

12066082	8.5mm	Silicone	Green
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*Cavity plugs seal unused female and male cavities.

SECTION NOTES:

Contact your regional support representative at the number listed below.

- Ducon Connection Systems have been validated using DIN Cable Standards.

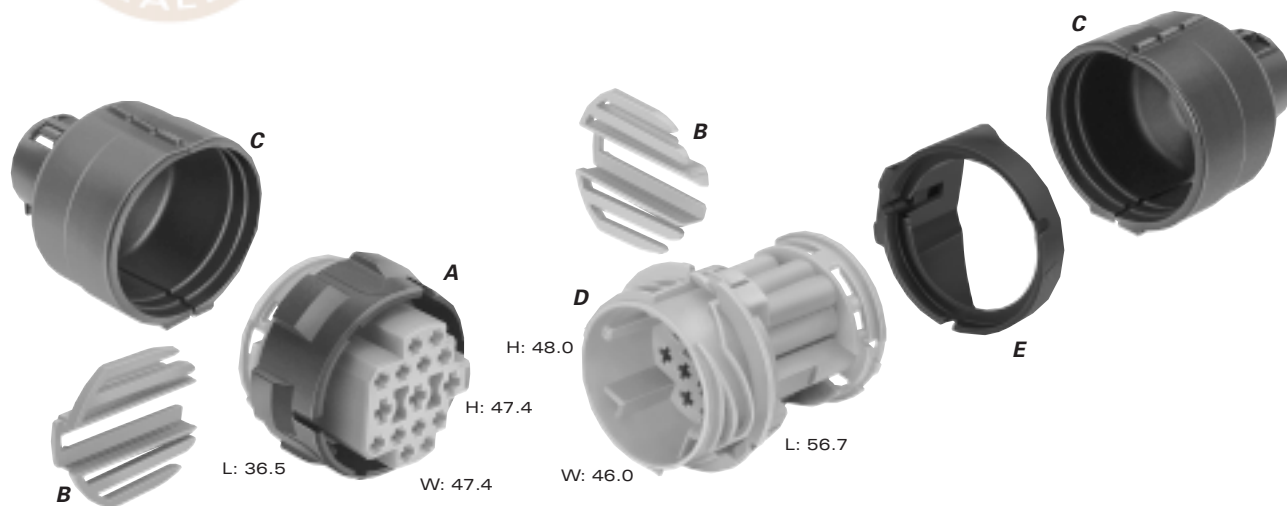
<http://delphi.com/products/connect>

North American Region
1-800-PACKARD

European Region
49-202-291-2000

Asia Pacific Region
65-730-9900

South American Region
55-12-378-2002



Total Mated Length: 148.0mm

A PART NO: 15344069 (Orange)

DESCRIPTION: Connector 15F

PART NO: 12185004 (Green)

DESCRIPTION: Connector 11F

PART NO: 15344061 (Brown)

DESCRIPTION: Connector 6F

SIZE: 36.5L x 47.4H x 47.4W

MATERIAL: PA66

TERMINALS: See Page 216

SEALS/PLUGS: See Page 216

D PART NO: 10740396 (Orange)

DESCRIPTION: Connector 15M

PART NO: 12185278 (Green)

DESCRIPTION: Connector 11M

PART NO: 15344060 (Brown)

DESCRIPTION: Connector 6M

SIZE: 56.7L x 48.0H x 46.0W

MATERIAL: PA66

TERMINALS: See Page 217

E PART NO: 12185277 (Optional)

DESCRIPTION: Holder

COLOR: Black

MATERIAL: PA6 15% GF

NOTE: Other holders available.

B PART NO: 12185005

DESCRIPTION: Secondary Lock

NUMBER REQ: 2

COLOR: Gray

MATERIAL: PA6 15% GF

C PART NO: 12197134 (Optional)

DESCRIPTION: Cover

NUMBER REQ: 2

COLOR: Black

MATERIAL: PA6

NOTE: Optional 90° Cover Available.

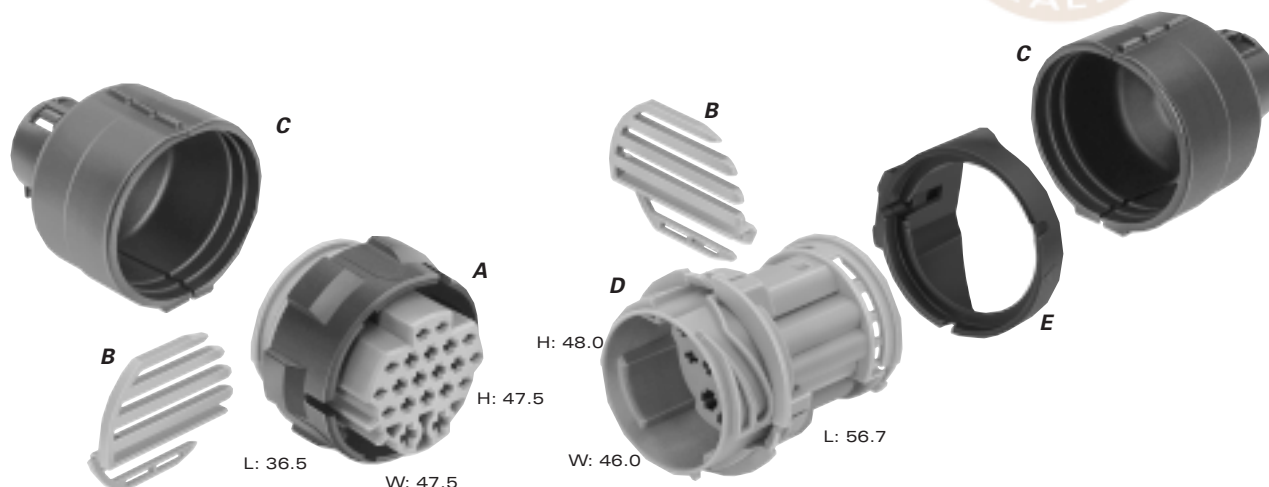
KEY:

◇ 2.8 SERIES

☆ 4.8 SERIES

Mixed connectors feature a combination of different terminal cavities, as indicated by the key.





Total Mated Length: 148.0mm

A PART NO: 12158095
 DESCRIPTION: Connector 20F
 SIZE: 36.5L x 47.5H x 47.5W
 COLOR: Blue
 MATERIAL: PA66
 TERMINALS: See Page 216
 SEALS/PLUGS: See Page 216

D PART NO: 10717689
 DESCRIPTION: Connector 20M
 SIZE: 56.7L x 48.0H x 46.0W
 COLOR: Blue
 MATERIAL: PA66
 TERMINALS: See Page 217
 SEALS/PLUGS: See Page 217

B PART NO: 12158096
 DESCRIPTION: Secondary Lock
 NUMBER REQ: 2
 COLOR: Gray
 MATERIAL: PA6 15% GF

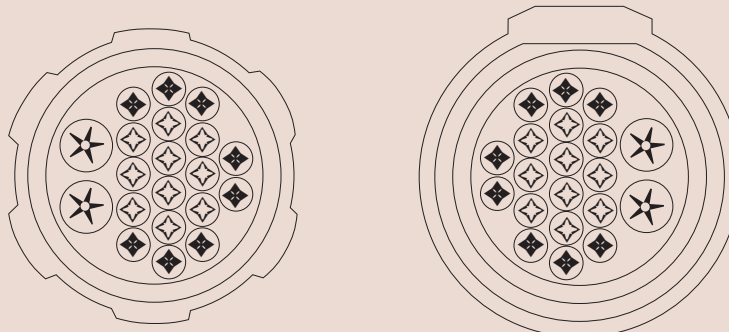
E PART NO: 12185277 (Optional)
 DESCRIPTION: Holder
 COLOR: Black
 MATERIAL: PA6 15% GF
 NOTE: Other holders available.

C PART NO: 12197134 (Optional)
 DESCRIPTION: Cover
 NUMBER REQ: 2
 COLOR: Black
 MATERIAL: PA6
 NOTE: Optional 90° Cover Available.

KEY:

- ◆ 1.5 SERIES
- ◇ 2.8 SERIES
- ✱ 4.8 SERIES

Mixed connectors feature a combination of different terminal cavities, as indicated by the key.



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