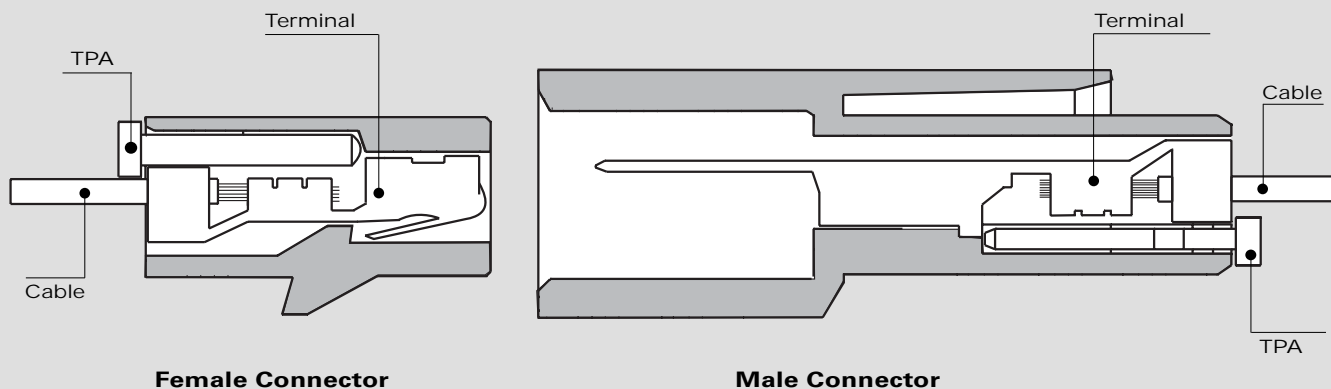




630

Cross Sectional View



TPA
(Terminal Position Assurance)



Female Terminal

CPA
(Connector Position Assurance)



Female Connector



630 Female Terminals Unsealed

Part #	Cable Range (mm ²)	Material	Plating
12084590	5.0-3.0	Tin Brass	Tin
12052224	3.0	Tin Brass	Tin
12084596	5.0-3.0 (2 Req'd.)	Tin Brass	Tin
12015870	2.0-1.0	Tin Brass	Tin
12015869	0.80-0.50	Tin Brass	Tin
12020035	0.80-0.50 (2 Req'd.)	Tin Brass	Tin
12052222	0.50-0.35	Tin Brass	Tin

630 Female Connectors Unsealed

# Cavities	Connector	Color	Material	TPA
2	12129939	Black	PA66 HS IM	12129940
4	12015664	Black	PA66 HS IM	—

NOTE: Specifications in this catalog are for general reference only and are subject to change without notice. To verify product information, please contact a Delphi representative.

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Unsealed System Application Information

630 Series Terminals – Tin Plated

CABLE RANGE (mm²): 0.35-5.0

CURRENT RANGE (AMPS): 0-46

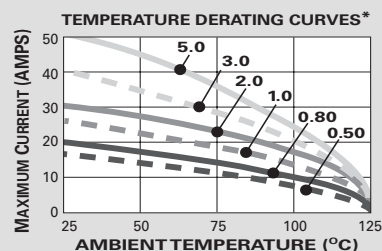
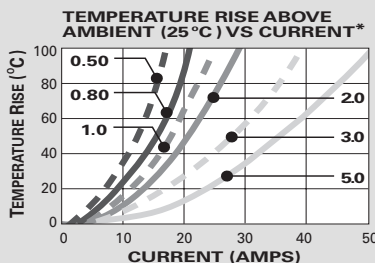
TEMP RANGE °C: -40 to 125

RESISTANCE: <10mΩ@20mV

VOLTAGE DROP: <3.0mV/amp

CENTERLINE SPACING (mm): 8.5

BLADE WIDTH (mm): 6.3



*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.



Male Connector

Male Terminal

TPA
(Terminal Position Assurance)

630 Male Connectors Unsealed

# Cavities	Connector	Color	Material	TPA
2	12129938	Black	PA66 HS IM	12129940
4	12052623	Black	PA66 HS IM	—

630 Male Terminals Unsealed

Part #	Cable Range (mm ²)	Material	Plating
12066493	5.0-3.0	Tin Brass	Tin over Copper
12052826	3.0	Tin Brass	Tin over Copper
12020365	3.0 (2 Req'd.)	Tin Brass	Tin over Copper
12020126	2.0-1.0	Tin Brass	Tin over Copper
12020125	0.80-0.50	Tin Brass	Tin over Copper
12033972	0.80-0.50 (2 Req'd.)	Tin Brass	Tin over Copper
12066454	0.50-0.35	Tin Brass	Tin over Copper

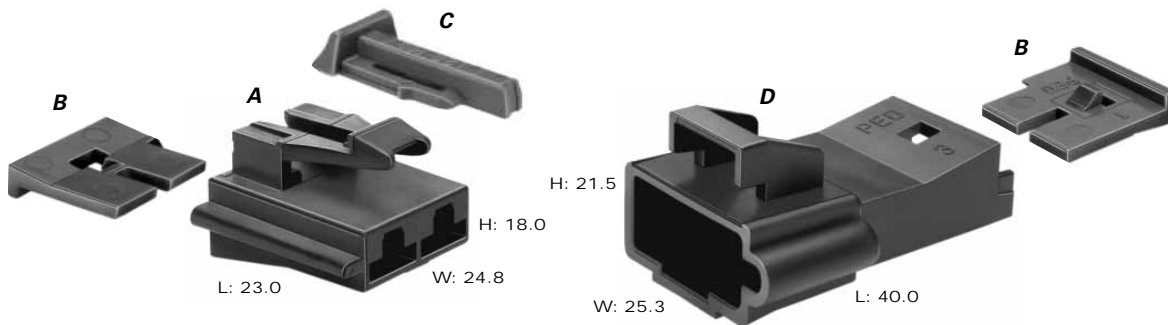
SECTION NOTES:

- Due to rigid to tolerances of connector cavities, it is critical to meet all crimp dimensions as specified.

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A. Part No: 12129939

Description:	Connector 2F
Size:	23.0L x 18.0H x 24.8W
Color:	Black
Material:	PA66 HS IM
Terminals:	See Page 2.52

D. Part No: 12129938

Description:	Connector 2M (Clip Slot-Self Locking)
Size:	40.0L x 21.5H x 25.3W
Color:	Black
Material:	PA66 HS IM
Terminals:	See Page 2.53

B. Part No: 12129940

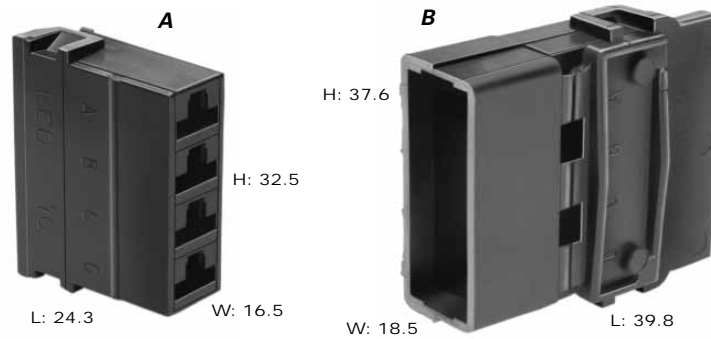
Description:	TPA
Number Req:	2
Color:	Blue
Material:	PA66 HS IM

C. Part No: 12052834

Description:	CPA
Color:	Green
Material:	PP

NOTE: Specifications in this catalog are for general reference only and are subject to change without notice. To verify product information, please contact a Delphi representative.

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Total Mated Length: 53.1mm

A. Part No: 12015664*

Description:	Connector 4F
Size:	24.3L x 32.5H x 16.5W
Color:	Black
Material:	PA66 HS IM
Terminals:	See Page 2.52

*Hinged secondary lock.

B. Part No: 12052623*

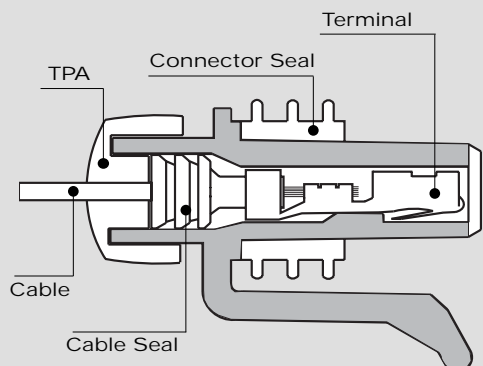
Description:	Connector 4M
Size:	39.8L x 37.6H x 18.5W
Color:	Black
Material:	PA66 HS IM
Terminals:	See Page 2.53

*Hinged secondary lock.

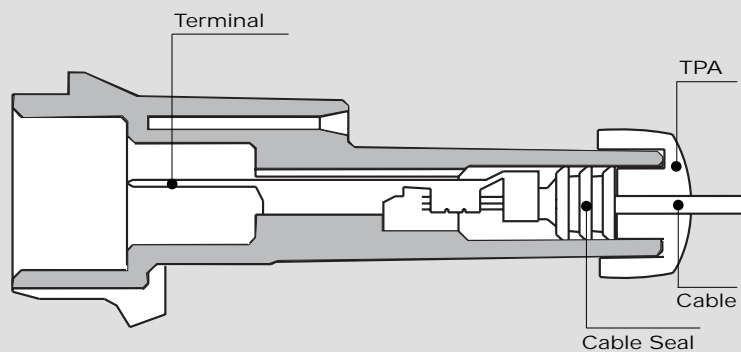


630

Cross Sectional View



Female Connector Assembly



Male Connector



630 Female Terminals Sealed

Part #	Cable Range (mm ²)	Material	Plating
12052456	5.0-3.0	Tin Brass	Tin
12052455	2.0-1.0	Tin Brass	Tin
12052457	0.80-0.50	Tin Brass	Tin



630 Female Pull-to-Seat Terminals

Part #	Cable Range (mm ²)	Material	Plating
12033997	3.0	Tin Brass	Tin
12066614	2.0-1.0	Tin Brass	Tin
12020156	0.80-0.50	Tin Brass	Tin



630 Metri-Pack Cable Seals

Reel Part #	Loose Part #	Cable Dia.	Material	Color
12059257	15324993	5.15-4.40	Silicone	Green
12059260	15324996	4.50-3.61	Silicone	Blue
12059258	15324994	3.75-2.81	Silicone	Lt. Gray
12059259	15324995	2.85-2.01	Silicone	Dk. Red
12077760	15324997	2.40-1.65	Silicone	Tan

TPA
(Terminal Position
Assurance)

Cable Seal

Female
TerminalFemale Connector
Assembly630 Female Connector Assembly
Sealed

# Cavities	Conn. Asm.	Color	Material	TPA
3	12124685	Black	PBT 30% GF	12045699

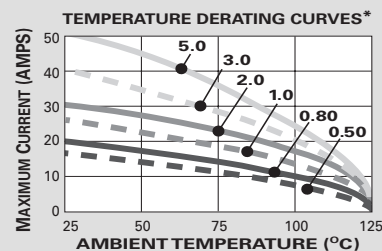
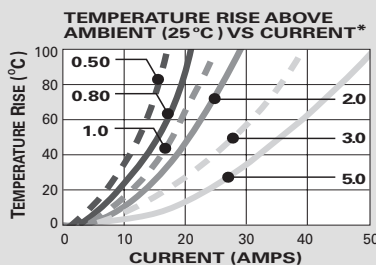
NOTE: Specifications in this catalog are for general reference only and are subject to change without notice. To verify product information, please contact a Delphi representative.

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Sealed System Application Information

630 Series Terminals – Tin Plated

CABLE RANGE (mm²): 0.50-5.0
 CURRENT RANGE (AMPS): 0-46
 TEMP RANGE °C: -40 to 125
 RESISTANCE: <10mΩ@20mV
 VOLTAGE DROP: <3.0mV/amp
 CENTERLINE SPACING (mm): 10.8
 BLADE WIDTH (mm): 6.3



*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.



Male Connector

Male Terminal



Cable Seal

TPA
(Terminal Position Assurance)

630 Male Terminals Sealed

Part #	Cable Range (mm ²)	Material	Plating
12064736	5.0	Tin Brass	Tin
12064737	3.0	Tin Brass	Tin
12064735	2.0-1.0	Tin Brass	Tin
12064734	0.80-0.50	Tin Brass	Tin

630 Male Connector Sealed

# Cavities	Connector	Color	Material	TPA
3	15358681	Black	PBT 30% GF	12045699

630 Metri-Pack Cavity Plug*

Part #	Cavity Inside Diameter	Material	Color
12059255	9.8mm	Silicone	Green

*Cavity plugs seal unused female and male cavities.

SECTION NOTES:

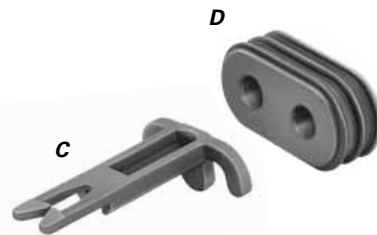
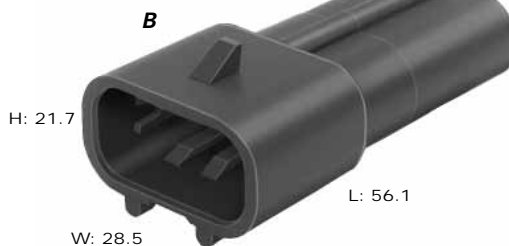
- Due to rigid tolerances of connector cavities, it is critical to meet all crimp dimensions as specified.

NOTE: Specifications in this catalog are for general reference only and are subject to change without notice. To verify product information, please contact a Delphi representative.



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Multiple Cable Seal
(Included)



Total Mated Length: 67.5mm

A. Part No: 12033769

Description:	Connector Assembly 2F
Size:	31.5L x 20.0H x 27.3W
Color:	Black
Material:	PA66 HS IM
Terminals:	See Page 2.56, Pull-To-Seat Terminals

B. Part No: 12034269

Description:	Connector 2M
Size:	56.1L x 21.7H x 28.5W
Color:	Black
Material:	PA66 HS IM
Terminals:	See Page 2.57

C. Part No: 12034363

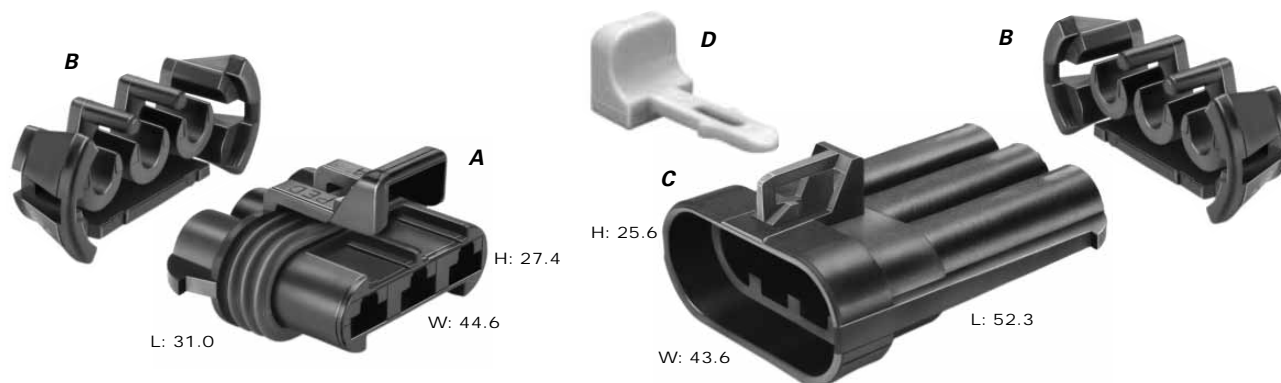
Description:	TPA
Color:	Md. Gray
Material:	PA66 HS IM

D. Part No: 12034364

Description:	Seal
Color:	Gray
Material:	Silicone

NOTE: Specifications in this catalog are for general reference only and are subject to change without notice. To verify product information, please contact a Delphi representative.

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Total Mated Length: 69.5mm

A. Part No: 12124685

Description:	Connector Assembly 3F
Size:	31.0L x 27.4H x 44.6W
Color:	Black
Material:	PBT 30% GF
Terminals:	See Page 2.56
Seals/Plugs:	See Page 2.56, 2.57

B. Part No: 12045699

Description:	TPA
Number Req:	2
Color:	Black
Material:	PA66 HS IM

C. Part No: 15358681

Description:	Connector 3M (Clip Slot)
Size:	52.3L x 25.6H x 43.6W
Color:	Black
Material:	PBT 30% GF
Terminals:	See Page 2.57
Seals/Plugs:	See Page 2.56, 2.57

D. Part No: 12020833

Description:	CPA
Color:	Gray
Material:	PBT