

Product Catalog Site

User Guide

Sumitomo Wiring Systems, Ltd.

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2. Search by Spec
3. Search by Series
4. Series Details
5. Results
6. Compare Items
7. Product Details

1. Common Functions/ Top Page

 **Sumitomo Wiring Systems** [Contact us](#)

[コネクタ](#) [自動車用電線](#) [コルゲートチューブ](#) **Connectors** [Wire and Cables](#) [Convuluted Tube](#) [接插件](#) [机动车线缆](#) [波纹管](#)

Connectors
for Automobiles

Connect with the Best

[How to choose connectors](#) [Notes on usage](#) [User Guide](#) [Catalogue PDF](#)

Please choose spec ☐ Included old models

☐ Housing (738)
☐ Inline (625) ☐ PCB (15) ☐ Device (60) ☐ For FPC (0)
HFC
☐ Inline (28) ☐ PCB (7) ☐ For Radio (3)

☐ Terminal (345)
☐ For AV Wire (317) ☐ For Coaxial Wire (28)

Category
☐ Wire seals (71)
☐ Dummy plugs (14)
☐ Splice connector (22)
☐ Connector accessories (97)
☐ Body fastening clamp (7) ☐ Cover (29) ☐ Grommet (10) ☐ Shipping Cap (2) ☐ TPA (47)
☐ Bracket(Support) (2)

Tab size
☐ 0.64mm (288) ☐ 0.8mm (0) ☐ 1.0mm (102) ☐ 1.5mm (204) ☐ 2.3mm (446) ☐ 2.8mm (180) ☐ 3.0mm (2)
☐ 4.8mm (106) ☐ 6.0mm (35) ☐ 6.3mm (19) ☐ 7.8mm (15) ☐ 8.0mm (39) ☐ 9.5mm (17)

Hybrid
☐ Hybrid only (200)
☐ Except hybrid (1087)

Way

Male/Female ☐ Male (490) ☐ Female (652) ☐ For both M and F (85)

Sealed/Unsealed ☐ Sealed (562) ☐ Unsealed (746)

Connector series
☐ TS sealed series (160) ☐ HV/HVG sealed series (27) ☐ HX sealed series (67) ☐ RS series (124)
☐ TL sealed series (20) ☐ SL sealed series (80) ☐ DL sealed series (69) ☐ TS series (159)
☐ HE series (132) ☐ NH series (37) ☐ SL series (46) ☐ DL series (47)
☐ HFC III series (49) ☐ US series (100) ☐ US sealed series (48) ☐ USdoor series (155)
☐ USHFC series (11)

Links to "How to choose connectors," "Notes on usage," and "Catalog PDF."
All pages are displayed as pop-ups.

Result
128
hits

You can search by the part no.
· Only numbers can be entered
· Enter an 8-digit part no.

Any part with a no. fewer than 8 digits will be displayed.

Example: "000" will be displayed if you search for 000*****

Note: Any number can take the place of "*****" such as 00013456, or 00036986.

2. Search by Spec

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コネクタ 自動車用電線 コルゲートチューブ **Connectors** Wire and Cables Convuluted Tube 接插件 机动车线缆 波纹管

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for Automobiles

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[How to choose connectors](#) [Notes on usage](#) [User Guide](#) [Catalogue PDF](#)

Spec Series Part No. (8figure) Search

Please choose spec Included old models

☐ Housing (738)
☐ Inline (625) ☐ PCB (15) ☐ Device (60) ☐ For FPC (0)
HFC
☐ Inline (28) ☐ PCB (7) ☐ For Radio (3)
☐ Terminal (345)
☐ For AV Wire (317) ☐ For Coaxial Wire (28)
Category
☐ Wire seals (71)
☐ Dummy plugs (14)
☐ Splice connector (22)
☐ Connector accessories (97)
☐ Body fastening clamp (7) ☐ Cover (29) ☐ Grommet (10) ☐ Shipping Cap (2) ☐ TPA (47)
☐ Bracket(Support) (2)
Tab size
☐ 0.64mm (288) ☐ 0.8mm (0) ☐ 1.0mm (102) ☐ 1.5mm (204) ☐ 2.3mm (446) ☐ 2.8mm (180) ☐ 3.0mm (2)
☐ 4.8mm (106) ☐ 6.0mm (35) ☐ 6.3mm (19) ☐ 7.8mm (15) ☐ 8.0mm (39) ☐ 9.5mm (17)
Hybrid
☐ Hybrid only (200)
☐ Except hybrid (1087)
Way
☐ Way (Total ways)
Male/Female
☐ Male (490) ☐ Female (652) ☐ For both M and F (85)
Sealed/Unsealed
☐ Sealed (562) ☐ Unsealed (746)
Connector series
☐ TS sealed series (160) ☐ HV/HVG sealed series (27) ☐ HX sealed series (67) ☐ RS series (124)
☐ TL sealed series (20) ☐ SL sealed series (80) ☐ DL sealed series (99) ☐ TS series (159)
☐ HE series (132) ☐ NH series (37) ☐ SL series (46) ☐ DL series (47)
☐ HFC III series (49) ☐ US series (100) ☐ US sealed series (48) ☐ USdoor series (155)
☐ USHFC series (11)

Result(s)
1287
hits

After selecting any of the checkboxes, you will be able to click on the "Search" (Search with this Criteria) button and "Clear" (Clear Search Criteria) button.

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コネクタ 自動車用電線 コルゲートチューブ **Connectors** Wire and Cables Convuluted Tube 接插件 机动车线缆 波纹管

Connectors
for Automobiles

Connect with the Best

[How to choose connectors](#) [Notes on usage](#) [User Guide](#) [Catalogue PDF](#)

Spec Series Part No. (8figure) Search


Please choose spec Included old models

☐ Housing (738)
☐ Inline (625) ☐ PCB (15) ☐ Device (60) ☐ For FPC (0)
HFC
☐ Inline (28) ☐ PCB (7) ☐ For Radio (3)
☐ Terminal (345)
☒ For AV Wire (317) ☐ For Coaxial Wire (28)
Category
☐ Wire seals (71)
☐ Dummy plugs (14)
☐ Splice connector (22)
☐ Connector accessories (97)
☐ Body fastening clamp (7) ☐ Cover (29) ☐ Grommet (10) ☐ Shipping Cap (2) ☐ TPA (47)
☐ Bracket(Support) (2)
Tab size
☐ 0.64mm (288) ☐ 0.8mm (0) ☐ 1.0mm (102) ☐ 1.5mm (204) ☐ 2.3mm (446) ☐ 2.8mm (180) ☐ 3.0mm (2)
☒ 4.8mm (106) ☐ 6.0mm (35) ☐ 6.3mm (19) ☐ 7.8mm (15) ☐ 8.0mm (39) ☐ 9.5mm (17)
Hybrid
☐ Hybrid only (200)
☐ Except hybrid (1087)
Way
☐ Way (Total ways)
Male/Female
☐ Male (490) ☐ Female (652) ☐ For both M and F (85)

Result(s)
21
hits

By selecting the checkboxes, the number of hits will appear in the yellow pop-up to the right.

3. Search by Series

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コネクタ自動車用電線コルゲートチューブConnectorsWire and CablesConvuluted Tube接插件机动车线缆波纹管


How to choose connectorsNotes on usageUser GuideCatalogue PDF


SpecSeriesPart No. (8figure)Search


Sealed Connectors


 [TS sealed series](#) (164)


 [HV/HVG sealed series](#) (27)

 [HX sealed series](#) (67)


 [RS series](#) (149)


 [TL sealed series](#) (20)


 [SL sealed series](#) (109)


 [DL sealed series](#) (91)


Unsealed Connectors

 [TS series](#) (177)


 [HE series](#) (133)

 [NH series](#) (37)


 [SL series](#) (50)


 [DL series](#) (54)


High Frequency Connector


 [HFC III series](#) (49)

US series


 [US series](#) (100)


 [US sealed series](#) (48)


 [USdoor series](#) (155)


 [USHFC series](#) (11)


Sealed Connectors


 [MT sealed series](#) (53)


 [TNS sealed series](#)


 [58 sealed series](#) (12)

 [62 sealed series](#) (22)


 [HW sealed series](#) (27)


 [HM sealed series](#) (16)


 [250,305,375 type sealed](#) (37)


 [SMDC sealed series](#) (13)


Unsealed Connectors


 [MT series](#) (56)


 [TNS series](#)


 [58 series](#) (38)


 [62 series](#) (17)


 [91 series](#) (18)


 [HD series](#) (70)

 [HM series](#) (85)


 [DS series](#) (22)


 [250 type connector](#) (143)


 [MTW series](#) (18)

 [HMDC series](#) (18)


By the use

 [MR series](#) (4)

 [MN series](#) (6)

 [WITH BUILT-IN DIODE](#)

High Frequency Connector

 [HFC series](#) (36)


close

Press the button to display the old series.
Press the button again to close the list.

4. Series Details

Accessible by clicking "Series" at the top page, or Series Name links on the Product Details page.

Details



SL series

The SL connector series is adopted a mechanism that detects terminal incomplete insertion by using a dedicated jig.

This series consists of 1.5mm, 2.3mm and 2.8mm types classified according to the terminal size, and has an extensive array of applications from signal circuits to low power circuits.

- These connectors can be directly secured to a bracket on the PCB. In addition, an extra clip can be attached to the connector to secure it to the component.

(Note: Please contact our sales staff, if you have any questions regarding the dedicated jig.)

- RoHS/ELV Compliant

Product catalog download

Tab Size(mm)	Applicable wire size	Contact resistance	Leak current	Insulation resistance	Seal	Materials
<div>1.5</div> <div>structure drawing</div>	0.3~2.0mm ²	Initial 3mΩMax. after durability tests 10mΩMax.	3mA Max.	100MΩMin.	—	Housing PBT Terminal Heat-Resistant Copper Alloy
<div>2.3</div> <div>structure drawing</div>	0.3~2.0mm ²	Initial 3mΩMax. after durability tests 10mΩMax.	3mA Max.	100MΩMin.	—	Housing PBT Terminal Brass, Heat-Resistant Copper Alloy
<div>2.8</div> <div>structure drawing</div>	0.3~3.0mm ²	Initial 3mΩMax. after durability tests 10mΩMax.	3mA Max.	100MΩMin.	—	Housing PBT Terminal Heat-Resistant Copper Alloy
HYBRID 1.5+2.8	—	Initial 3mΩMax. after durability tests 10mΩMax.	3mA Max.	100MΩMin.	—	Housing PBT Terminal Heat-Resistant Copper Alloy
PCB 1.5	—	Initial 3mΩMax. after durability tests 10mΩMax.	3mA Max.	100MΩMin.	—	Housing PBT Terminal Heat-Resistant Copper Alloy

You can download the data of the product from the latest catalog, which is current as of the time of posting.

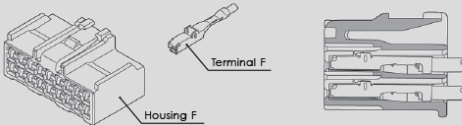
Product catalog download

(Note: Please contact our sales staff, if you have any questions regarding the dedicated jig.)

-RoHS/ELV Compliant

Tab Size(mm)	Applicable wire size	Contact resistance	Leak current	Insulation resistance	Seal	Materials
<div>1.5</div> <div>structure drawing</div>	0.3~2.0mm ²	Initial 3mΩMax. after durability tests 10mΩMax.	3mA Max.	100MΩMin.	—	Housing PBT Terminal Heat-Resistant Copper Alloy
<div>2.3</div> <div>structure drawing</div>						
<div>2.8</div> <div>structure drawing</div>						
HYBRID 1.5+2.8						
PCB 1.5						

Connector F



Housing F

Terminal F

Initial

Housing

Buttons will be displayed for registered structure drawings. Clicking these buttons displays the structure drawing.

5. Results

Accessible by clicking "Series" button and selecting a tab size. Or, move from "Spec" or "Part No." if the criteria cannot be refined.

Sumitomo Wiring Systems

コネクタ 自動車用電線 コルゲートチューブ **Connectors** Wire and Cables Convoluted Tube 接插件 机动车线缆 波纹管

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refine your search

Category

Tab size

1.5mm (5)
2.3mm (34)
For Coaxial Wire (1)

Way

Way (Total ways)

1 (2)
2 (2)
3 (2)
4 (2)
6 (2)

Male/Female

Connector series

results **Result(s) 34 hits**

Searching results of SL sealed series 2.3mm

compare checked items

Part No.	Category	Connector series	Tab size	Way	F/M	Sealed/Unsealed	Comparison
6181-0436	Housing Inline	SL sealed series	2.3mm	1	M	sealed	<input type="checkbox"/>
6189-0639	Housing Inline	SL sealed series	2.3mm	1	F	sealed	<input type="checkbox"/>
6181-0437	Housing Inline	SL sealed series	2.3mm	2	M	sealed	<input type="checkbox"/>
6189-0640	Housing Inline	SL sealed series	2.3mm	2	F	sealed	<input type="checkbox"/>
6181-0438	Housing Inline	SL sealed series	2.3mm	3	M	sealed	<input type="checkbox"/>
6189-0638	Housing Inline	SL sealed series	2.3mm	3	F	sealed	<input type="checkbox"/>
SL sealed series		2.3mm	4	M	sealed	<input type="checkbox"/>	
SL sealed series		2.3mm	4	F	sealed	<input type="checkbox"/>	
SL sealed series		2.3mm	6	M	sealed	<input type="checkbox"/>	
SL sealed series		2.3mm	6	F	sealed	<input type="checkbox"/>	

see more compare checked items

Page Top
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After clicking the "Comparison" button, you will be able to click the "Compare Checked Items" button.

compare checked items

size	Way	F/M	Sealed/Unsealed	Comparison
2.3mm	1	M	sealed	<input checked="" type="checkbox"/>
2.3mm	1	F	sealed	<input checked="" type="checkbox"/>

Further refine the criteria. Click the button to display the criteria can be refined.

As you refine the criteria, the list on the right is also automatically refined and displayed.

Click "Display more," and a new group of items (10 items each) will be displayed.

6. Compare Items

Accessible by clicking "Compare Checked Items" button from the search result screen.

Contact us

コネクタ自動車用電線コルゲートチューブConnectorsWire and CablesConvuluted Tube接插件机动车线缆波纹管

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product comparisonResult(s) 7 hits

Back to search results

Part No.

6189-0639
clear

8100-0460
clear

8100-0461
clear

Wire seals
clear

Dummy plugs
clear

Category

Housing Inline

Terminal For AV Wire

Terminal For AV Wire

Wire seals

Dummy plugs

Connector series

SL sealed series

TS sealed series
SL sealed series

TS sealed series
SL sealed series

SL sealed series
TL sealed series
SL sealed series

TS sealed series
SL sealed series
MT sealed series
HM sealed series

Tab size

2.3mm

2.3mm
2.3mm

2.3mm
2.3mm

2.3mm
2.3mm
1.5mm

2.3mm
2.3mm
2.3mm
2.3mm

Way

1

—

—

—

—

Male/Female

F

F

F

Common

Common

Sealed/Unsealed

sealed

sealed

sealed

sealed

sealed

Applicable wire size

—

0.3-0.5

0.5-1.25

1.6-2.4

—

Materials

PBT

Heat-resistant copper alloy

Heat-resistant copper alloy

Silicone

NBR

Color

Dark Gray

—

—

Gray

Black

Mating parts

6181-0436

8100-0457

8100-0458

Note

—

This part is applicable to use for both new type and old type.

This part is applicable to use for both new type and old type.

This part is applicable to use for both new type and old type.

Dummy plugs are used to blind unused terminal holes. For 6mm Pitch housing This part is applicable to use for both new type and old type.

Back to search results

Return to the previous results.

Use this button to compare more than 5 features at a time. You can do this by moving left and right.

You can compare the following features:

Category, Connector series, Tab size, Way, Male/Female, Sealed/Unsealed, Applicable wire size, materials, Color, Mating parts, Note

Features without entries are not displayed.

7. Product Details

After searching and refining, click the link of a product to access the product detail screen.

Contact us

コネクタ自動車用電線コルゲートチューブConnectorsWire and CablesConvuluted Tube接插件机动车线缆波纹管

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results

Housing 2.3mm
6181-0436

Housing 2.3mm
6189-0639

Terminal 2.3mm
8100-0460

Terminal 2.3mm
8100-0461

Wire seals 2.3mm
7165-0515

Dummy plugs 2.3mm
7160-9465

Connector accessories
2.3mm
6810-1584

back to list

Product information

8100-0461
TS sealed series SL sealed series
Terminal For AV Wire
2.3mm(090)
Sealed/Unsealed sealed
Male/Female F
Tab Size 2.3mm(090)
Size M
Mating parts 8100-0458(TS sealed series)
Applicable wire size 0.5-1.25mm²
Materials Heat-resistant copper alloy
Surface treatment Tin-plated
Contact resistance Initial 3mΩ Max.
after durability tests 10mΩ Max.
Leak current 100μA Max.
Insulation resistance 100MΩ Min.
Note This part is applicable to use for both new type and old type.

Contact us for products

TS sealed series 2.3mm(090) related products

Housing (37)

0.64/2.3mm 6189-1163

0.64/2.3mm 6189-7077

0.64/2.3mm 6189-6934

0.64/2.3/4.8mm
6189-7094

Show all results

Wire seals (8)

2.3mm 7165-0842

2.3mm 7165-0349

2.3mm 7165-0342

2.3mm 7160-8234

Show all results

SL sealed series 2.3mm(090) related products

Housing (3)

2.3mm 6189-6898

2.3mm 6189-6912

2.3mm 6189-1085

Displays the previous search results.

Click the button to display all items the same time (if the number of related items is more than 4).