

Product Overview

Delphi Connection System does offer a broad portfolio of competitively priced high-quality cable seals and cavity plugs which can be used for many Delphi and non-Delphi connector families.

Market Segments

Automotive
Non-Automotive

Features and Benefits

- Cover a wide range of cable diameters, from 3.6 mm to 3.75 mm
- Oil content 2% or 4%, depending upon part number
- Products available reeled or as loose pieces

Typical Applications

The Delphi cable seals and cavity plugs are suitable for almost all connectors, regardless of connector family or manufacturer. For the wire harness manufacturer, the broad range of cable seals and cavity plugs available are ideal for most harness designs.

Crimp Tooling

For the terminal/cable seal combination, Power & Signal Group does provide suitable Tooling.

Delphi Global Crimp Tooling
PSG Hand Crimp Tool

NOTE: For correct reference of terminal P/N to hand crimp tool information please contact your Power & Signal Group Representative.



Application Guidelines

Please follow the process described below to determine the right cable seal or cavity plug size for projects' needs.

- Define the cavity diameter from your connector drawing.
- Define the cable diameter (For initial information refer to table 1: Cable Diameters).
- Select a suitable cable seal or cavity plug according to the cavity diameter (step 1) and cable diameter (step 2), (Refer to table 2: Cable Seal and Plug Matrix on the opposite page).

CABEL METRIC SIZE [mm ²]	SAE GAGE	CABEL OUTER Ø [mm ²]
0,22	24	1,2
0,35	22	1,4
0,5	20	1,63
0,75	-	1,75
0,8	18	-
1,00	16	1,95
1,5	-	2,25
2,0	14	2,6
2,50	-	2,9
3,0	12	3,05
4,0	-	3,45
5,0	10	-
6,0	-	4,15
8,0	8	-

Table 1: Cable Diameters

NOTE: If your dimensions were found to be close to the application limits please contact the Power & Signal Group Engineering Department for assistance. For further information regarding part numbers or availability please contact your Power & Signal Group representative

Cavity Ø	3.6 mm	4.0 mm	5.2 mm	5.7 mm	5.8 mm	6.7 mm	6.8 mm	8.5 mm	9.8 mm	13.75 mm
GPN	15339412	15366021	15324974	10720941	15366065	15324983	10720611	15363779	15324997	15492996
cross-section	1.0	0.35-0.75	0.35-1.0	0.35-1.0	0.35-0.75	0.35-1.0	0.5-1.5	0.35-1.0	0.5-1.5	1.5-2.5
colour	yellow	white	blue	gray	orange	red-brown	green	yellow	lt. brown	blue
Cable Ø	1.9 - 2.1	1.2 - 1.82	1.2 - 2.0	1.2 - 2.0	1.2 - 1.9	1.2 - 2.0	1.5 - 2.3	1.2 - 2.0	1.6 - 2.4	2.2 - 3.0
GPN	15327913	15366060	10737671	10720950	15366066	15324985	10720613	15363604	15324995	15327126
cross-section	0.35-0.4	1.0-1.5	0.75-1.4	1.0-2.5	0.75-1.4	0.75-1.4	1.5-2.5	1.0-2.5	1.5-2.5	4.0-6.0
colour	red	blue	red	yellow	yellow	violet	yellow	white	red-brown	red-brown
Cable Ø	1.2 - 1.6	1.86 - 2.25	1.5 - 2.3	2.1 - 2.9	1.9 - 2.4	1.6 - 2.4	2.2 - 3.0	2.0 - 2.9	2.0 - 2.9	3.4 - 4.3
GPN	15327918	15305171	15324976	15396866	15366067	15324984	10720615	15327864	15324994	10720983
cross-section	0.5-1.0	cavity plug	0.75-1.4	possible to tool up	2.5	1.0-1.5	4.0	2.5-4.0	2.5-4.0	10.0
colour	grey	green	white	nature	lt. brown	red-brown	white	red-brown	grey	green
Cable Ø	1.2 - 2.0	1.6 - 2.4	1.6 - 2.4	cavity plug	2.7 - 3.0	2.0 - 2.4	3.4 - 3.7	2.8 - 3.8	2.8 - 3.8	6.0 - 6.4
GPN	12198198	15339560	15327863	15305170	12191235	15324982	10720617	15363605	15324996	15470809
cross-section	cavity plug	0.75-1.0	1.0-1.5	white	4.0	1.0-2.5	cavity plug	4.0-6.0	4.0-6.0	16.0
colour	white	red	red-brown	white	violet	green	red-brown	green	blue	yellow
Cable Ø	cavity plug	1.7 - 2.1	2.0 - 2.7	cavity plug	3.4 - 3.7	2.0 - 2.9	cavity plug	3.6 - 4.5	3.6 - 4.5	6.5 - 7.5
GPN	15344777	10720807	15324973	15305170	15324980	15324981	10720617	15344647	15324993	10720907
cross-section	0.35-0.4	1.5	1.0-2.5	white	2.5-4.0	4.0-6.0	cavity plug	6.0	6.0	cavity plug
colour	yellow	yellow	red-brown	white	grey	blue	cavity plug	grey	green	green
Cable Ø	1.2 - 1.6	2.2 - 2.4	2.0 - 2.9	cavity plug	2.8 - 3.5	3.5 - 4.2	cavity plug	4.4 - 5.1	4.4 - 5.1	cavity plug
GPN	15344778	10720811	10737670	15327859	12010300	15324981	12066082	15344647	15324993	12059255
cross-section	0.5-1.0	cavity plug	1.0-1.5	2.5	Green	blue	lt. Green	lt. Green	green	green
colour	green	green	blue	yellow	Green	blue	cavity plug	cavity plug	green	green
Cable Ø	1.4 - 2.0	cavity plug	2.2 - 2.4	2.7 - 2.9	cavity plug	3.5 - 4.2	cavity plug	cavity plug	4.4 - 5.1	cavity plug
GPN	15344324	15344324	15327859	15327859	12010300	12010300	12066082	15344647	15324993	12059255
cross-section	0.35-1.0	0.35-1.0	2.5	2.5	Green	blue	lt. Green	lt. Green	green	green
colour	red-brown	red-brown	yellow	yellow	Green	blue	cavity plug	cavity plug	green	green
Cable Ø	1.2 - 2.1	1.2 - 2.1	2.7 - 2.9	2.7 - 2.9	cavity plug	3.5 - 4.2	cavity plug	cavity plug	4.4 - 5.1	cavity plug
GPN	15305351	15305351	15339967	15339967	12010300	12010300	12066082	15344647	15324993	12059255
cross-section	0.75-1.0	0.75-1.0	0.35-1.0	0.35-1.0	Green	blue	lt. Green	lt. Green	green	green
colour	yellow	yellow	blue	blue	Green	blue	cavity plug	cavity plug	green	green
Cable Ø	1.7 - 2.1	1.7 - 2.1	1.2 - 2.1	1.2 - 2.1	cavity plug	3.5 - 4.2	cavity plug	cavity plug	4.4 - 5.1	cavity plug
GPN	15366022	15366022	15339838	15339838	12010300	12010300	12066082	15344647	15324993	12059255
cross-section	0.5-0.75	0.5-0.75	1.5-2.5	1.5-2.5	Green	blue	lt. Green	lt. Green	green	green
colour	lt. green	lt. green	white	white	Green	blue	cavity plug	cavity plug	green	green
Cable Ø	1.47 - 1.85	1.47 - 1.85	2.2 - 3.0	2.2 - 3.0	cavity plug	3.5 - 4.2	cavity plug	cavity plug	4.4 - 5.1	cavity plug
GPN	15305169	15305169	15337197	15337197	12010300	12010300	12066082	15344647	15324993	12059255
cross-section	cavity plug	cavity plug	cavity plug	cavity plug	Green	blue	lt. Green	lt. Green	green	green
colour	orange	orange	white	white	Green	blue	cavity plug	cavity plug	green	green
Cable Ø	cavity plug	cavity plug	cavity plug	cavity plug	cavity plug	3.5 - 4.2	cavity plug	cavity plug	4.4 - 5.1	cavity plug
GPN	10730124	10730124	10730124	10730124	12010300	12010300	12066082	15344647	15324993	12059255
cross-section	cavity plug	cavity plug	cavity plug	cavity plug	Green	blue	lt. Green	lt. Green	green	green
colour	green	green	green	green	Green	blue	cavity plug	cavity plug	green	green
Cable Ø	cavity plug	cavity plug	cavity plug	cavity plug	cavity plug	3.5 - 4.2	cavity plug	cavity plug	4.4 - 5.1	cavity plug

Table 2: Cable Seal and Plug Matrix

NOTE: The cross section in the chart is in line with FLRY-B / A automotive cable with reduced outer diameter (thin walled cable). The cross section and cable ϕ is the max possibility the seal can accept. The usage is dependent of the cable type, conductor and isolation crimp of the terminal system.

For pricing and samples, contact your Power & Signal Group Representative. Or, visit us on the web at www.powerandsignal.de.

For drawings, data sheets or 3-D CAD models, call our engineering department.

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