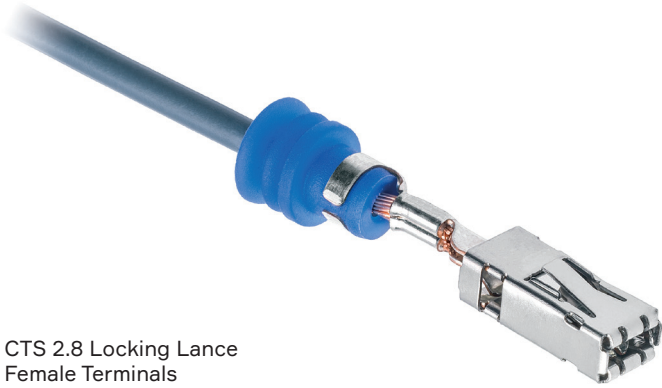


CTS 2.8 LOCKING LANCE SERIES



CTS 2.8 Locking Lance
Female Terminals

BENEFITS

- Compatible with industry standard cavities
- Robust terminal design with several design features providing a perfect electrical function for two different tab thicknesses in one part
- 100% vision controlled manufacturing

FEATURES

- Protected mating area
- Usable for tab thicknesses of 0.6 and 0.8 mm
- Two-tang primary lock
- Stainless steel spring
- High pre-loaded contact area



AVAILABLE CONFIGURATIONS

Terminal Construction	Two-piece
Locking Mechanism	Tanged / Lanced
Crimp Validated to	USCAR 14 / LV214 (slow motion)
Blade Size (mm)	2.8
Wire Gage Range (AWG)	24 - 14
Wire Gage Range (mm ²)	0.22 - 2.5
Genders	Female
Sealing Options	Unsealed, Cable Sealed
Plating Options	Sn, Ag
Mating Tab Dimension (mm)	2.8 x 0.8

See back page for representative part numbers and packaging dimensions.

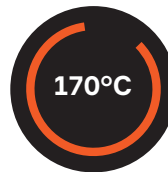


TECHNICAL CHARACTERISTICS

Contact Resistance	< 4 mΩ
Contact Mating Force	< 10 N
Contact Unmating Force	> 2 N
Mating Cycles	10 (Sn) / 25 (Ag)
Cavity Pullout Force	> 80 N
Center Line Spacing	Unsealed: 5 x 5.5 mm Sealed: 5 x 6 mm



MAX
TEMP



Ag



MAX
VIBRATION



MAX CURRENT
AT 23°C



About Aptiv

Aptiv is a global technology company that develops safer, greener and more connected solutions enabling a more sustainable future of mobility.

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Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm ²)	Part number	Other available platings
Unsealed	F	Sn	24 - 22	0.22 - 0.35	15457847	Ag
Unsealed	F	Sn	20 - 18	0.5 - 1.0	15457848	Ag
Unsealed	F	Sn	16 - 14	1.5 - 2.5	15457849	Ag
Cable Sealed	F	Sn	24 - 22	0.22 - 0.35	15446673	Ag
Cable Sealed	F	Sn	20 - 18	0.5 - 1.0	15446674	Ag
Cable Sealed	F	Sn	16 - 14	1.5 - 2.5	15446675	Ag

COMPATIBLE SEALS

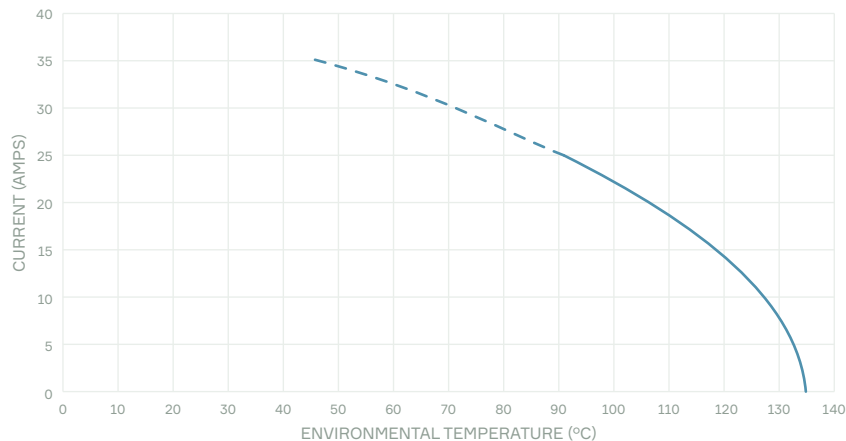
Type	Applicable Wire Size (mm ²)	Color	Restraint Ring	Part Number
				
Cable Seal	0.35 - 1.0	Blue	Yes	15339967
Cable Seal	1.25 - 2.5	White	Yes	15339838
				
Cable Seal	0.35 - 0.75	Blue	No	15324974
Cable Seal	0.5 - 1.0	Red	No	15327786
Cable Seal	1.25 - 2.0	Red	No	15324973
Cable Seal	2.5	Yellow	No	10779161
Cavity Plug	N/A	Green	No	10730124
Cavity Plug	N/A	Red	No	12059168

Please, contact an Aptiv representative for the full part number list.

DERATING CURVES

Cable range: 0.22 - 2.5 mm²
 Crimp method: Standard
 Contact plating: Sn
 Test method: Single circuit
 in free air*
 Mated to: DCS-2 / TTS
 male
 (2.8 x 0.8 mm)

* For reference only



— 2.5 mm²

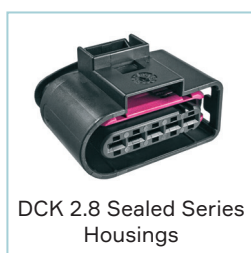
The test data was collected from single circuits in a draft free enclosure. This model does not account for all of the variables that would be present in an actual application.

For additional detailed product performance, visit our website at aptiv.com

Terminal without housing

acc. to DIN EN 60512-5-2

COMPATIBLE WITH



Part numbers, specifications, dimensions and performance data in this document are for general references only and are subject to change without notice. To verify product information, please contact an Aptiv representative.

CS-SP112-CTS-En1123