

# CTS 1.5 LOCKING LANCE SEALED SERIES



CTS 1.5 Locking Lance Sealed  
Female & Male Terminals

## BENEFITS

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

## FEATURES

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



## AVAILABLE CONFIGURATIONS

Terminal Type	Box & Blade
Locking Mechanism	Tanged / Lanced
Crimp Validated to	LV 214
Blade Size (mm)	1.5
Wire Gage Range (AWG)	28 - 16
Wire Gage Range (mm <sup>2</sup> )	0.08 - 1.5
Genders	Female, Male (TTS)
Sealing Options	Cable Sealed
Plating Options	Sn, Ag, Au

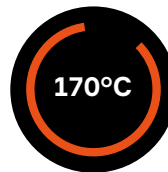


## TECHNICAL CHARACTERISTICS

Contact Resistance	< 2 mΩ
Contact Mating Force	< 7.0 N
Contact Unmating Force	< 7.0 N
Mating Cycles	20 (Sn) / 50 (Ag) / 100 (Au)
Cavity Pullout Force	> 55N (Primary lock) > 90N (Secondary lock)
Center Line Spacing	4.0 x 4.0 mm / 3.5 x 4.0 mm with 2.0 mm displacing



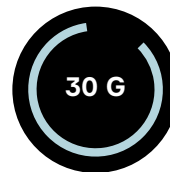
MAX  
TEMP



Ag



MAX  
VIBRATION



MAX CURRENT  
AT 23°C



with 1.5 mm<sup>2</sup>

See back page for representative part numbers and packaging dimensions.

## About Aptiv

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

Visit [aptiv.com](https://www.aptiv.com) →



• **APTIV** •

Sealing	Gender	Plating	Wire size range (AWG)	Wire size range (mm <sup>2</sup> )	Part number	Other available platings
Cable Sealed	F	Sn	24 - 22	0.22 - 0.35	15432208	Ag, Au
Cable Sealed	F	Sn	20 - 16	0.5 - 1.0	15432210	Ag, Au
Cable Sealed	F	Sn	16	1.0 - 1.5	15432212	Ag, Au
Cable Sealed	M	Sn	24 - 22	0.22 - 0.35	15482330	Ag, Au
Cable Sealed	M	Sn	20 - 16	0.5 - 1.0	15482331	Ag, Au
Cable Sealed	M	Sn	16	1.0 - 1.5	15482332	Ag, Au

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

## COMPATIBLE SEALS

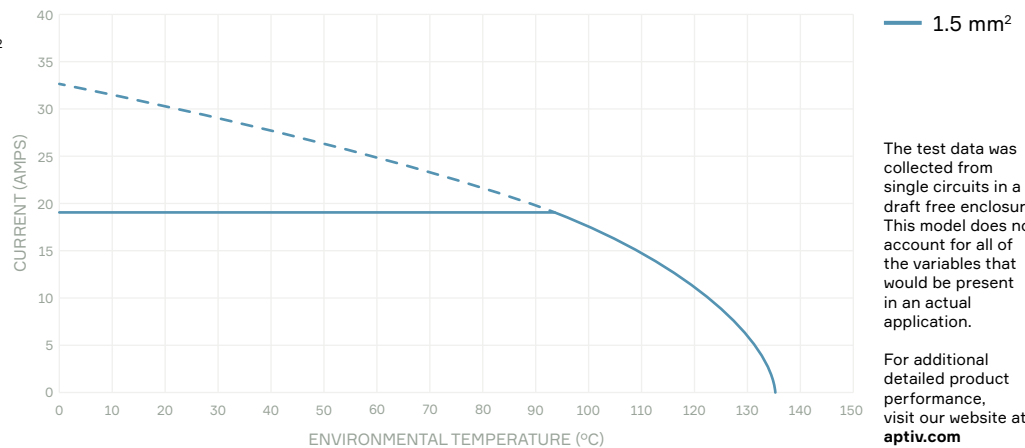
Type	Applicable wire size (mm <sup>2</sup> )	Color	Part number
Cable Seal	0.22 - 0.35	Red	15327913
Cable Seal	0.5 - 1.0	Gray	15327918
Cable Seal	1.0 - 1.5	Yellow	15339412

## DERATING CURVE

Aptiv taxi: 15432214  
 Cable range: 0.08 - 1.5 mm<sup>2</sup>  
 Crimp method: Standard  
 Contact plating: Sn  
 Test method: Single circuit in free air\*  
 Mated to: CTS 1.5 male terminals

\* For reference only

Determined with tab, size 1.5 mm x 0.8 mm, tin plated



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](http://aptiv.com)

## 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-SP103-CTS-En0221