

JANUARY 2021

# MOLEX CONNECTED ENTERPRISE SOLUTIONS

WARRANTY PROGRAM - PoE / AUDIO-VIDEO / Wi-Fi  
GUARANTEED CABLING PERFORMANCE FOR 25 YEARS – COPPER & FIBER OPTIC

*Molex Global Technical Services*

**WHITE PAPER**

REV 4.6



THE CPD STANDARDS OFFICE  
CPD PROVIDER: 22087  
2022-2024  
[www.cpdstandards.com](http://www.cpdstandards.com)



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## IT IS ALL ABOUT DATA INTEGRITY

Specifying a structured cabling system that will meet the long-term communications needs of your company is a challenging task. It is vital to install a system that provides optimum performance with adequate headroom to accommodate future technology.

The system needs to be flexible – providing unfailing end-to-end performance regardless of the number of moves, adds, and changes made. To assure long-term system performance, you need a warranty that will stand behind your structured cabling system – because without data integrity, nothing else matters.

## WE WARRANT THE INTEGRITY OF YOUR SYSTEM

It is Molex Connected Enterprise Solutions' mission to provide Copper and Fiber solutions that ensure the integrity of your data. This commitment is reflected in the 25 Year Product, System Performance and Application Assurance Warranty you receive when installing a Molex Connected Enterprise Solutions structured cabling system.

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**WARRANTY**

<b>25 YEARS</b>	<b>25 YEARS</b>	<b>25 YEARS</b>
PRODUCT	SYSTEM PERFORMANCE	APPLICATION ASSURANCE

**COPPER LINKS & CHANNELS      FIBER OPTIC LINKS & CHANNELS**

**FIELD VERIFIED TO EXCEED**

ANSI/TIA-568-2.D:2018 	ISO/IEC 11801-1:2017 	EN 50173-1:2018 	EN 50173-2:2018 	AS/NZS 11801.1:2019 
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**POE APPLICATIONS**

IEEE 802.3af – Type 1 (15.4W) 2-Pair PoE:2003 	IEEE 802.3at – Type 2 (30W) 2-Pair PoE:2009 		IEEE 802.3bt – Type 3 (60W) 4-Pair PoE:2018 	IEEE 802.3bt – Type 4 (90W) 4-Pair PoE:2018 
UPoE (60W) 		U(PoE)	UPoE+ (90W) 	

**AUDIO/VIDEO APPLICATIONS**

HD Base-T Spec. 2.0 (2013) Up to 100W (PoH) 		HD Base-T Spec. 3.0 (2019) Up to 100W (PoH) 	AV over IP Up to 90W (PoE) 	SDVoE (2017) Up to 90W (PoE) 
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**WIFI APPLICATIONS**

802.11b:1999 11 Mb/s 	802.11a:1999 54 Mb/s 	802.11g : 2003 54 Mb/s 	802.11n:2009 WIFI 4 - 600 Mb/s 	802.11ac:2014 WIFI 5 – 3.5 Gb/s 	802.11ax:2019 WIFI 6 – 9.6 Gb/s 
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 **Molex Connected Enterprise Solutions**

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January 2021 – Rev 4.6

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