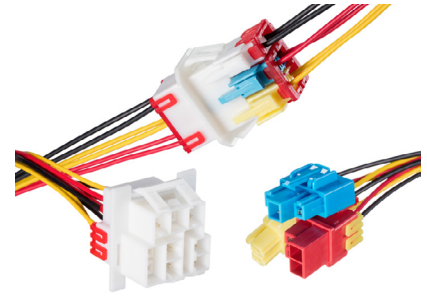


VersaBlade Wire-to-Wire Connector System >

VersaBlade wire-to-wire connectors deliver reliable signal and power transmission at 300V and 15A with superior mating reliability, polarization and easy harness assembly. High-temperature variants support -55 to +150°C, 600V/14A max. power requirements with robust positive-locking and Terminal Position Assurance (TPA) accessory for contact reliability. Glow Wire-compliant versions ensure the safety of consumer appliance users.



VersaBlade Wire-to-Wire Connector System

FEATURES AND ADVANTAGES

Polarized housing and terminal dimple

Prevents incorrect connector insertion and mating

Multi-branched wiring capabilities

Offer harness design options to reduce time and cost

Terminals can be crimped with two wires

Enables daisy-chain connections

Dual-row system

Facilitates heat dissipation and low engagement force

Variety of TPA types

TPA ensures wires are fully inserted and variety provides design flexibility

Glow-wire capable housing with optional TPA accessory

Meets global safety environmental environments

Snap-in mounting ears (optional)

Enables easy panel mount and ensures strong retention force

Wide, flat-blade tab terminals

Support high voltage and current (300V/15A) for standard versions, (600V/14A max.) for high-temperature versions

Housing lance: Plastic hook captures the hole on terminal

Improves terminal-to-housing retention and eliminates flares or weak metal tangs

Friction and positive lock

Provides improved mating retention

APPLICATIONS

Consumer / Home Appliance

Refrigerators
Washing machines
Microwave ovens
Air conditioners
Air cleaners/dehumidifiers
Exercise equipment
Printers

Data / Computing

Copiers

Medical

Medical equipment



Printer



Microwave Oven



Medical Equipment

VersaBlade Wire-to-Wire Connector System

SPECIFICATIONS

REFERENCE INFORMATION

Packaging:

Housing/TPA – Bulk

Terminal – Reel

UL File No.: E29179

CSA File No.: LR19980

RoHS: Compliant

Halogen Free: No

Glow Wire Capable: Available

MECHANICAL

Contact Insertion Force (max.): 3.5kgf

Contact Retention to Housing (min.): 4.0kgf

Durability (max.): 30 Cycles

ELECTRICAL

Voltage (max.):

300V (standard versions)

600V (high-temperature versions)

Current (max.):

15.0A

Contact Resistance: 10 milliohm

Dielectric Withstanding Voltage: No breakdown

Insulation Resistance: 100 Megohms (standard version)

1000 Megohms (high-temperature version)

PHYSICAL

Housing:

Polybutylene Terephthalate (PBT) – Natural, Blue, Red

Polyethylene Terephthalate / Polycarbonate (PET/PC) – Natural, Blue, Yellow

Polyamide (PA6) – Black

Terminal Plating:

Brass – Tin (Male Terminal)

Phosphor Bronze – Tin (Female Terminal)

Operating Temperature:

PBT: -40 to +120°C

GWIT: -40 to +110°C

High-temperature: -55 to +150°C

ORDERING INFORMATION

Series No.	Type	Component	Available Circuit or Wire Size
35150	Standard housing	Standard plug housing and TPA	1, 2, 3, 4, 6 circuits
35151		Standard receptacle housing	1, 2, 3, 4, 6 circuits
35180	Hybrid housing	Hybrid multi-module male housing	2, 4, 6 circuits
35182		TPA for standard male and female housing	1, 2, 3 circuits
35524		Hybrid multi-module male housing	9 circuits
35745	Terminal	Male terminal, type A	14 to 24 AWG
35746		Female terminal, type A	14 to 24 AWG
35747		Male terminal, type B	14 to 24 AWG
35748		Female terminal, type B	14 to 24 AWG
35965	TPA	Hybrid multi-module female housing and TPA	2 circuits
49547		TPA, upper, for hybrid multi-module female housing	3 circuits
49548		TPA, lower, for hybrid multi-module female housing	3 circuits
104081		TPA for standard female housing	2 circuits
204102	Hybrid housing	Hybrid multi-module male housing	2, 4, 6 circuits
202650		Hybrid multi-module male housing	9 circuits
217347	High temperature	Receptacle housing	2, 3, 4 circuits
217348		Plug housing	2, 3, 4 circuits
2173478000		Male terminal	14 to 18 AWG
2173488000		Female terminal	14 to 18 AWG
217347		TPA	2, 3 circuits
2173478100		Male terminal	20, 22 AWG
2173478200			18+18, 18+20, 20+20 AWG
2173488100	High temperature	Female terminal	20, 22 AWG
2173488200			18+18, 18+20, 20+20 AWG

www.molex.com/product/versablade.html