

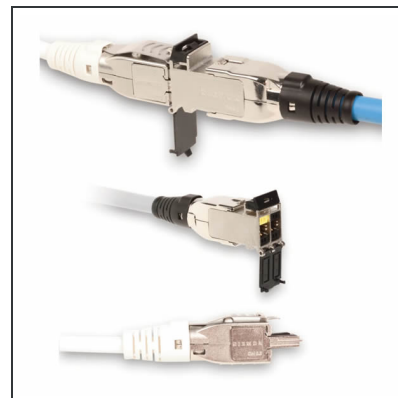
Product Spec Sheet



Part Number: T7F-01-1

Description: Copper Outlet TERA Shielded Category 7A/8 TERA Flat Black Tool-Less T568A/B with Door 22-23 AWG

Originally designed as the interface for category 7A/class FA that has long been ahead of its time as the highest-performing twisted-pair copper cabling system available, Siemon's innovative TERA outlet has been newly characterized to support Category 8.2. When installed as part of a TERA 8.2 solution, these outlets deliver transmission performance up to 2 GHz to support two-conductor, 30-meter channels in high-speed 25 Gigabit (25GBASE-T) and 40 Gigabit (40GBASE-T) applications for switch-to-server connections in the data center. The TERA outlets are easily installed in Siemon's TERA-MAX® patch panels. The TERA outlet is backwards compatible with Category 7A/Class FA cabling systems supporting full 100 meter, 4 connector channel implementations.



Disclaimer: The product images shown are for illustration purposes only and may not be an exact representation of the product

General:

Product Family	TERA Outlets
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Weights & Dimensions:

Product Unit of Measure	EA
Product Weight	38.1g (1.34oz)
Product Dimensions (L x W x H)	64.2mm x 14.5mm x 24.3mm (2.5" x 0.57" x 0.95")
Pack 1 Quantity	10
Pack 1 Weight	0.5kg (1.01lbs)

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Pack 1 Dimensions (L x W x H)	193.7mm x 108mm x 88.9mm (7.63" x 4.25" x 3.5")
Pack 2 Quantity	50
Pack 2 Weight	2.6kg (5.75lbs)
Pack 2 Dimensions (L x W x H)	565.2mm x 209.6mm x 112.7mm (22.25" x 8.25" x 4.44")

Physical Specifications:

Product Type	Outlet
Shielded or UTP	Shielded
Outlet Type	TERA
Mounting Style	Flat
Color	Black
Shield	Quadrant design
Housing Material	Flame retardant thermoplastic
Packaging	Not Applicable
Front Contact Material	Diecast zinc alloy
Front Contact Plating	50 micro inches (1.27 micron) minimum thick gold or equivalent at contact interface
Component Material	Flame retardant thermoplastic
Door	Yes

Mechanical Specifications:

Wiring	T568A/B
Termination Method	Tool-Less
Reterminations	Not recommended

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Cable Entry	22-23 AWG
Plug Insertion Cycles	2500
Operating Temperature (°C)	-10 to 60
Operating Temperature (°F)	14 to 140
Wire Size Range (nominal)	26-22 AWG solid and/or stranded
Plug Compatibility	TERA 4-Pair & 2-Pair
Plug Retention Force (lbf) (min)	11.24
Wire Insulation Diameter (in) (max)	0.03
Conductor OD (mm) (max)	1.6
Cable OD (mm) (max)	9
Conductor OD (in) (max)	0.06
Wire Insulation Diameter (mm) (max)	0.64

Electrical Specifications:

Category	Category 7A/8
Contact Resistance	$\leq 20 \text{ m}\Omega$
Insulation Resistance	$\geq 500 \text{ M}\Omega$
Input to Output DC Resistance (signal conductors)	$\leq 200 \text{ m}\Omega$
Input to Output DC Resistance (shield)	$\leq 100 \text{ m}\Omega$
Dielectric Withstand Voltage (contact to contact)	1000 V DC or AC peak
Dielectric Withstand Voltage (contact to shield)	1500 V DC or AC peak
Current Rating	1.5 A @ 25°C (77°F)

Compliance:

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Industry Standards	ISO/IEC 11801-1 (Class FA), IEC 61076-3-104, IEC 60512-99-002
Applications Support	25/40GBASE-T, 10GBASE-T, 2.5/5GBASE-T, 10/100/1000BASE-T, PoE (Type 1,2,3,4) and PoH
Safety & Certifications	UL/cUL, TERA Channel Tempest Rated, IEC 60512-99-002 (3rd party verified), UL 1863, UL 2043
Quality Management System Certification	ISO 9001:2015

Environmental & Sustainability:

RoHS	RoHS - Meets Without Exemption
REACH	REACH - Does Not Contain SVHCs
Conflict Minerals	Conflict Minerals - DRC Conflict Free
PFAS	Does not contain PFAS Substances

For more details about the product, please [Click Here](#)

Because we continuously improve our products, Siemon reserves the right to change specifications and availability without prior notice.

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