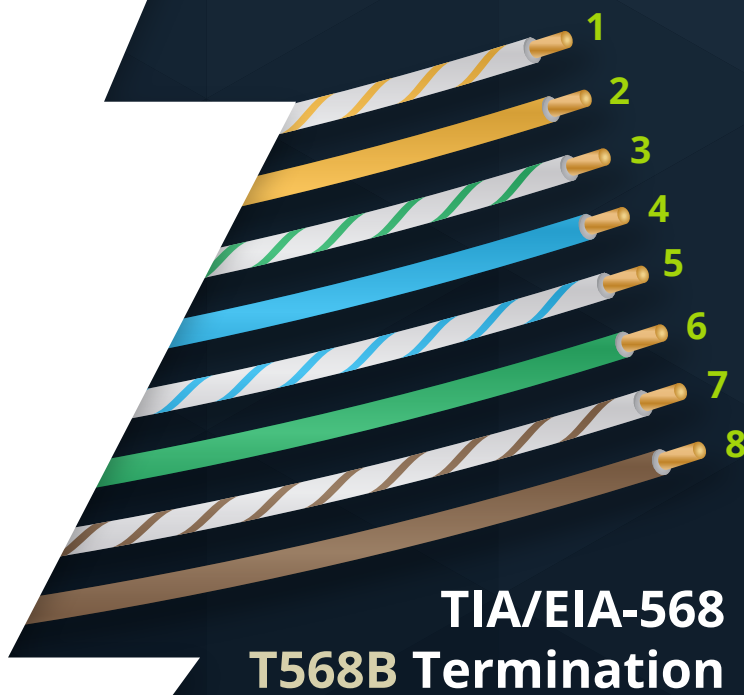




Power Over Ethernet

802.3af/at Standards A and B — Powered Devices (PD)

VoIP Phones | Internet Appliances | WLAN | Bluetooth | Access Points



**TIA/EIA-568
T568B Termination**

Power over Ethernet (PoE) enables power to be delivered to an IP device via its data cable.

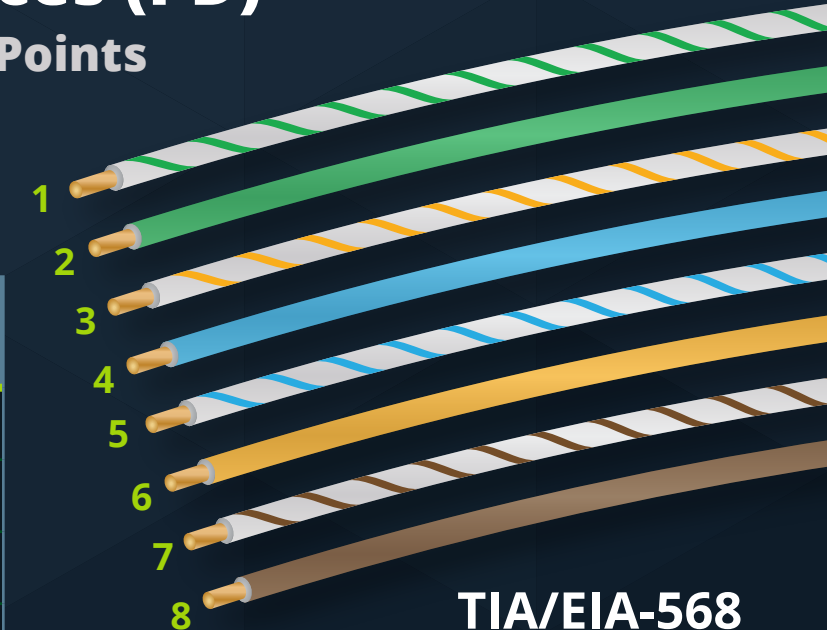
NETSCOUT Network testers validate and troubleshoot PoE as well as overall network connectivity for copper, fiber and Wi-Fi networks depending on model. All network testers support automated upload of test results to the Link-Live results management database.

IEEE Standard PoE Pin/Data Assignment

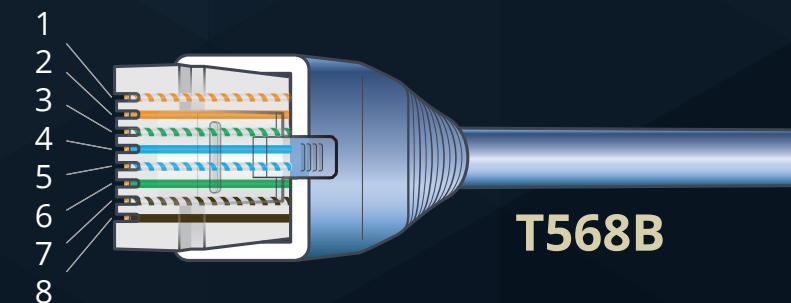
Pin at switch	10/100 Mode B DC on Spares	10/100 Mode A Mixed DC and Data	1000 (1 gigabit) Mode B DC and Bi-Data	1000 (1 gigabit) Mode A DC and Bi-Data
1	Rx+	Rx+	DC+	TxRx A+
2	Rx+	Rx+	DC+	TxRx A-
3	Tx+	Tx+	DC-	TxRx B+
4		DC+	Not Used	Not Used
5		DC+	Not Used	Not Used
6	Tx-	Tx-	DC-	TxRx B-
7		DC-	Not Used	Not Used
8		DC-	Not Used	Not Used

IEEE Standard PoE Power Parameters

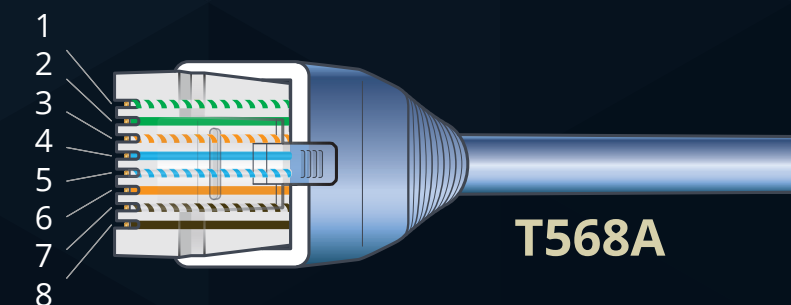
Property	802.3af (802.3at Type1)	802.3at Type 2
Power available at powered device (PD)	12.95 W	25.50 W
Maximum power delivered by power sourcing equipment (PSE)	15.40 W	30.00 W
Voltage range (at PD)	37.0 — 57 V	42.5 — 57.0 V
Voltage range (at PSE)	44.0 — 57 V	50.0 — 57 V



**TIA/EIA-568
T568A Termination**



T568B



T568A

<http://enterprise.netscout.com/poe>

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