

Cat6 90° Toolless Keystone Jack

Component Level Rated •
500MHz • 4PPoE • Suitable for
Unshielded Ethernet Cable



Key Features

- Component Level Rated and Impedance Matching for Superior Cat6 Performance
- Press Fit Technology for Maximum Reliability
- ANSI/TIA 568 2.D Certified with trueCABLE Cat6 U/UTP Ethernet Cable
- UL, cETLus, CE, TAA, FCC, ETL Verified to IEC 60512-99-001, and RoHS-2 Compliant
- Supports PoE++ (802.3bt) 4PPoE, up to 100W

Fitment

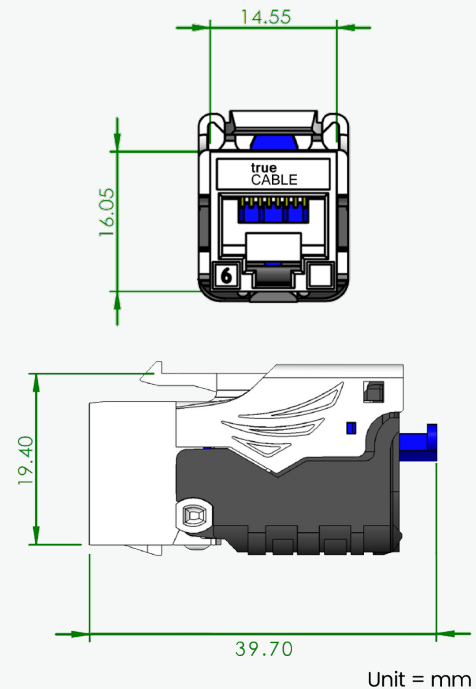
Conductor Type	Solid & Stranded Copper
Suitable Conductor Gauge	23 to 26 AWG
Conductor Insulation Diameter	0.86 - 1.20mm
Cable Jacket Diameter	4.60 - 9.00mm

Electrical

Contact Resistance	<20mΩ
Insulation Resistance	>500MΩ
Current Rating	1.5A @ 20°C
Dielectric Strength	>1000VDC

Tested Compatible Tools

Product	Part Number
Parallel Crimping Pliers	trueCLOSE



Construction & Mechanical

Jack Type	90° Hinged Toolless Style	Re-termination Durability Rating	20 Termination Cycles
Jack Housing Material	ABS Plastic	RJ45 Insertion Durability Rating	750 Connection Cycles
Fire Safety	UL 94V-0	Operating Temperature	14°F to 140°F -10°C to 60°C
Conductor Holder Material	Polycarbonate	RJ45 Spring Wire	Phosphor Bronze with 60μ Nickel Undercoat and 50μ Gold Plating
IDC Terminals	Phosphor Bronze with 100μ Nickel Plating		

Application

Standards Compliance	TIA Category 6 and ISO/IEC 11801 Class E Certified
Maximum Application Speed	100BASE-TX to 5GBASE-T up to 295ft; 10GBASE-T up to 165ft
PoE Compatibility	PoE/PoE+/PoE++ (IEEE 802.3af/at/bt) 4PPoE up to 100W
Maximum PoE DC Wattage	100W
Installation Environment	For unshielded (U/UTP) cable only
Wiring Schema	T568A or T568B with color coding diagram on conductor holder cap



Cable ID: 6ECMXUV UTP TLESS KSJ > UTP TLESS KSJ

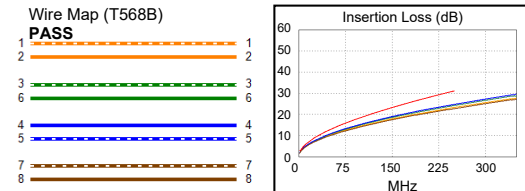
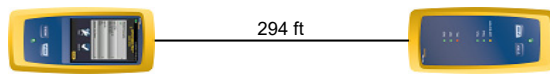
Test Limit: TIA Cat 6 Perm. Link (+PoE)
 Limits Version: V7.5
 Date / Time: 07/08/2021 12:30:30 PM
 Operator: DON S
 Headroom 4.6 dB (NEXT 3,6-7,8)
 Cable Type: Cat 6 U/UTP
 NVP: 69.8%

Main: Versiv
 S/N: 1924100
 Software Version: V6.5 Build 5
 Calibration Date: 11/14/2020
 Adapter: DSX-8000 (DSX-PLA804)
 S/N: 4523168

Test Summary: PASS

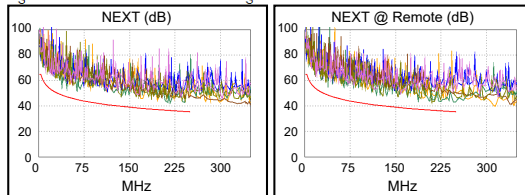
Remote: Versiv
 S/N: 1917273
 Software Version: V6.5 Build 5
 Calibration Date: 11/14/2020
 Adapter: DSX-8000R (DSX-PLA804)
 S/N: 4523169

Length (ft), Limit 295	[Pair 7,8]	294
Prop. Delay (ns), Limit 498	[Pair 4,5]	446
Delay Skew (ns), Limit 44	[Pair 4,5]	18
Resistance (ohms), Limit 21.00	[Pair 4,5]	13.04
Resist. Unbal. (ohms), Limit 0.380	[Pair 1,2]	0.017
Resist. P2P Unbal. (ohms), Limit 0.450	[Pair 4,5-7,8]	0.075
Insertion Loss Margin (dB)	[Pair 4,5]	6.4
Frequency (MHz)	[Pair 4,5]	250.0
Limit (dB)	[Pair 4,5]	31.1

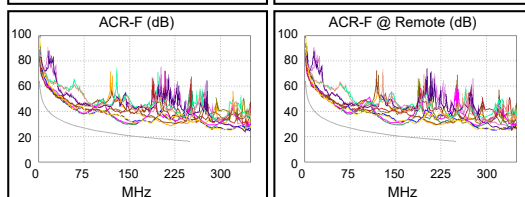


Worst Case Margin Worst Case Value

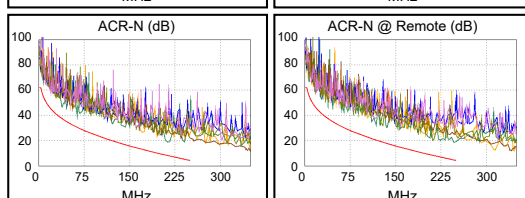
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-7,8	1,2-4,5	3,6-7,8
NEXT (dB)	5.1	4.6	5.9	4.6
Freq. (MHz)	213.0	212.5	239.0	212.5
Limit (dB)	36.5	36.5	35.7	36.5
Worst Pair	3,6	3,6	1,2	3,6
PS NEXT (dB)	6.6	6.2	7.4	6.2
Freq. (MHz)	196.0	212.5	239.0	212.5
Limit (dB)	34.5	33.9	33.0	33.9



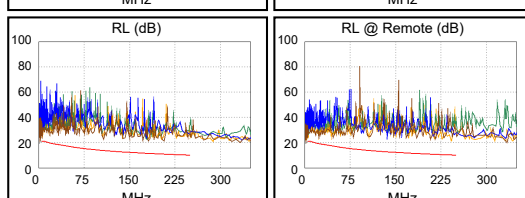
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	1,2-3,6	1,2-4,5
ACR-F (dB)	8.8	8.6	11.1	8.7
Freq. (MHz)	145.0	150.0	217.5	153.0
Limit (dB)	21.0	20.7	17.4	20.5
Worst Pair	1,2	1,2	1,2	1,2
PS ACR-F (dB)	10.3	10.2	13.2	13.1
Freq. (MHz)	153.5	152.0	226.0	217.5
Limit (dB)	17.5	17.6	14.1	14.4



N/A	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	1,2-4,5	1,2-4,5	1,2-4,5
ACR-N (dB)	8.4	11.0	11.9	13.7
Freq. (MHz)	38.3	212.0	239.0	247.0
Limit (dB)	37.5	8.2	5.4	4.5
Worst Pair	4,5	1,2	4,5	4,5
PS ACR-N (dB)	10.5	11.7	14.1	14.8
Freq. (MHz)	38.5	7.1	241.5	246.5
Limit (dB)	35.0	53.1	2.5	2.0



PASS	MAIN	SR	MAIN	SR
Worst Pair	7,8	7,8	7,8	1,2
RL (dB)	5.1	3.9	10.6	11.2
Freq. (MHz)	6.3	6.3	207.0	242.0
Limit (dB)	21.0	21.0	10.8	10.2



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T 2.5GBASE-T 5GBASE-T
 ATM-25 ATM-51 ATM-155
 100VG-AnyLan TR-4 TR-16 Active
 TR-16 Passive