

Cat6/6A Pass Through RJ45 Connectors

Shielded • External Ground



Packaging Available

- 10 Pack
- 20 Pack
- 50 Pack
- 100 Pack

Key Features

- Easy feed through design
- ANSI/TIA 568 2.D Certified with trueCABLE F/UTP Ethernet cable via Modular Plug Terminated Links (MPTL) tests
- TAA, ETL, UL, SGS (RoHS REACH / SVHC), and FCC compliant.
- PoE ++ Compatible
- ISO/IEC 11801 Class D; ANSI/TIA 1096-A; IEC 60603-7

Fitment

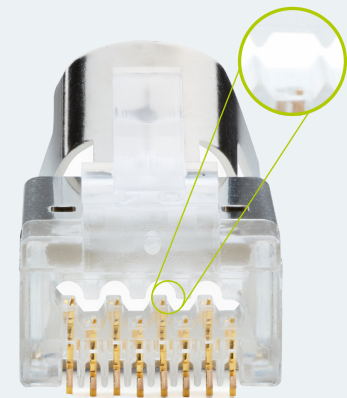
Cable Jacket Diameter	Up to Ø8.00mm
Conductor Insulation Diameter	Ø1.05 - 1.25mm
Conductor Type	Solid & Stranded Copper
Suitable Conductor	22 & 23AWG

Electrical

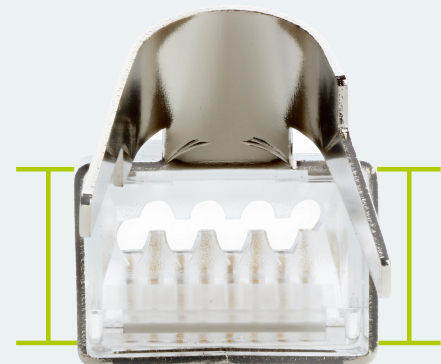
Voltage Rating	1000V DC
Current Rating	1.5 Amps
Contact Resistance	20m Ω Max

Construction & Mechanical

Plug Housing Material	Nickel plated hard brass
Contact Material	Phosphor bronze
Contact Plating	24-carat hard gold
Cable to Plug Tensile Strength	20 ft-lbs minimum
Op. Temperature	-40° C to +70° C
Durability Rating	2000 insertion cycles
Fire Safety	UL 94V-2



Ø1.05 - 1.25mm



Up to Ø8.00mm



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Cable ID: 6ESCMX MPTL STP T-LESS KSJ TO PASS-THROUGH RJ45 EG

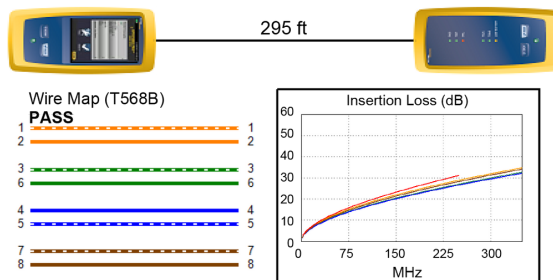
Test Summary: **PASS**

Test Limit: TIA Cat 6 MPTL (+PoE)
Limits Version: V7.5
Date / Time: 03/05/2020 06:11:15 PM
Operator: DON S
Headroom 6.9 dB (NEXT 3,6-4,5)
Cable Type: *trueCABLE Cat6 F/UTP*
NVP: 68.2%

Main: Versiv
S/N: 1917273
Software Version: V6.5 Build 5
Calibration Date: 11/08/2019
Adapter: DSX-8000 (DSX-PLA804)
S/N: 4523168

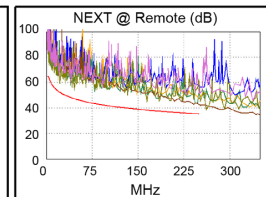
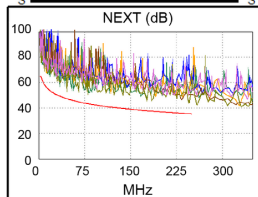
Remote: Versiv
S/N: 1924100
Software Version: V6.5 Build 5
Calibration Date: 11/08/2019
Adapter: DSX-8000R (DSX-PC6)
S/N: 4716104

Length (ft), Limit 295	[Pair 4,5]	295
Prop. Delay (ns), Limit 498	[Pair 1,2]	473
Delay Skew (ns), Limit 44	[Pair 1,2]	33
Resistance (ohms)	[Pair 1,2]	13.35
Resist. Unbal. (ohms)	[Pair 4,5]	0.060
Resist. P2P Unbal. (ohms)	[Pair 1,2-4,5]	0.177
Insertion Loss Margin (dB)	[Pair 1,2]	2.2
Frequency (MHz)	[Pair 1,2]	250.0
Limit (dB)	[Pair 1,2]	31.1

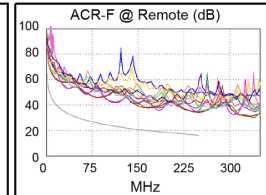
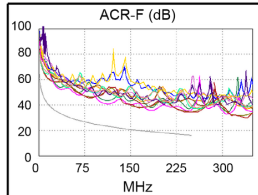


Worst Case Margin Worst Case Value

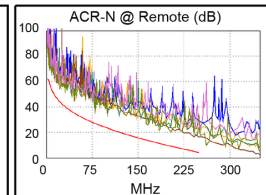
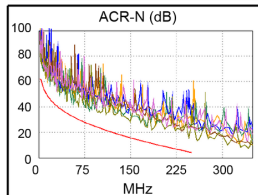
PASS	MAIN	SR	MAIN	SR
Worst Pair	1,2-4,5	3,6-4,5	3,6-7,8	3,6-4,5
NEXT (dB)	8.0	6.9	8.5	6.9
Freq. (MHz)	82.3	242.5	245.5	242.5
Limit (dB)	43.2	35.6	35.5	35.6
Worst Pair	3,6	4,5	3,6	4,5
PS NEXT (dB)	9.9	7.3	9.9	7.3
Freq. (MHz)	245.5	243.5	245.5	243.5
Limit (dB)	32.8	32.9	32.8	32.9



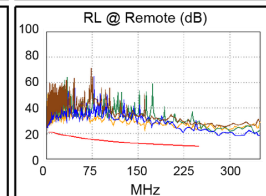
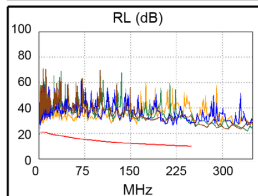
PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5-1,2	4,5-1,2	4,5-3,6	4,5-3,6
ACR-F (dB)	16.8	16.8	17.6	17.8
Freq. (MHz)	182.5	184.5	240.5	249.0
Limit (dB)	19.0	18.9	16.6	16.3
Worst Pair	1,2	4,5	4,5	4,5
PS ACR-F (dB)	18.7	18.6	18.7	18.9
Freq. (MHz)	180.5	1.5	248.5	249.0
Limit (dB)	16.1	57.7	13.3	13.3



N/A	MAIN	SR	MAIN	SR
Worst Pair	3,6-7,8	3,6-7,8	3,6-7,8	3,6-4,5
ACR-N (dB)	9.4	9.2	11.3	11.9
Freq. (MHz)	45.8	22.1	245.5	250.0
Limit (dB)	35.1	44.0	4.7	4.2
Worst Pair	1,2	7,8	7,8	1,2
PS ACR-N (dB)	11.0	11.1	12.9	11.3
Freq. (MHz)	82.3	22.0	245.5	247.5
Limit (dB)	24.0	41.7	2.1	1.9



PASS	MAIN	SR	MAIN	SR
Worst Pair	4,5	1,2	4,5	4,5
RL (dB)	10.1	7.4	15.8	9.3
Freq. (MHz)	3.9	3.6	219.5	225.0
Limit (dB)	21.0	21.0	10.6	10.5



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