

Cat6/6A Standard RJ45 Connectors

Unshielded • U/UTP • Load Bar



Packaging Available

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

Key Features

- Precision load bar solid nose design compatible with any crimp tool
- ANSI/TIA 568 2.D Certified with trueCABLE Cat6 & Cat6A U/UTP Ethernet cable via Modular Plug Terminated Links (MPTL) tests
- TAA, FCC, UL, cETLus, and RoHS-3 Compliant
- PoE & PoH Compatible
- ISO/IEC 11801 Class D; ANSI/TIA 1096-A; IEC 60603-7

Fitment

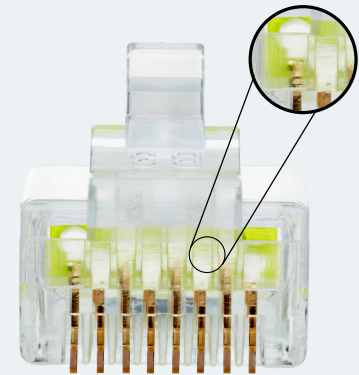
Cable Jacket Diameter	Up to $\varnothing 7.30\text{mm}$
Conductor Insulation Diameter	$\varnothing 0.95 - 1.15\text{mm}$
Conductor Type	Solid & Stranded Copper
Suitable Conductor	23AWG

Electrical

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

Construction & Mechanical

Plug Housing & Load Bar Material	Polycarbonate
Contact Material	Phosphor bronze
Contact Plating	24-carat hard gold
Cable to Plug Tensile Strength	20 ft-lbs minimum
Op. Temperature	-40° C to +125° C
Durability Rating	2000 insertion cycles
Fire Safety	UL 94V-2



$\varnothing 0.95 - 1.15\text{mm}$



Up to $\varnothing 7.30\text{mm}$



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Cable ID: 6ACMR MPTL UTP PD KSJ TO STANDARD RJ45

Test Limit: TIA Cat 6A MPTL (+PoE)

Limits Version: V7.5

Date / Time: 03/04/2020 03:11:05 PM

Operator: DON S

Headroom 9.0 dB (NEXT 3,6-4,5)

Cable Type: *trueCABLE Cat6A U/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

Test Summary: PASS

Remote: Versiv

S/N: 1924100

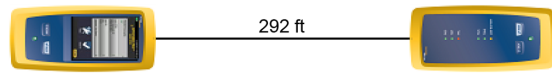
Software Version: V6.5 Build 5

Calibration Date: 11/08/2019

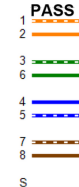
Adapter: DSX-8000R (DSX-PC6A)

S/N: 4716155

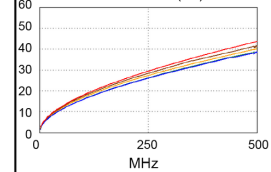
Length (ft), Limit 295	[Pair 4,5]	292
Prop. Delay (ns), Limit 498	[Pair 7,8]	460
Delay Skew (ns), Limit 44	[Pair 7,8]	25
Resistance (ohms)	[Pair 7,8]	12.42
Resist. Unbal. (ohms)	[Pair 3,6]	0.146
Resist. P2P Unbal. (ohms)	[Pair 4,5-7,8]	0.166
Insertion Loss Margin (dB)	[Pair 7,8]	2.1
Frequency (MHz)	[Pair 7,8]	499.0
Limit (dB)	[Pair 7,8]	43.7



Wire Map (T568B)

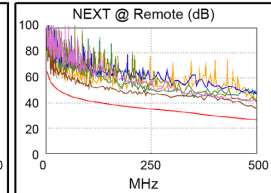
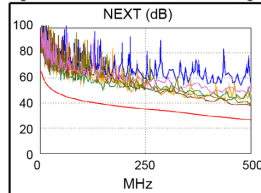


Insertion Loss (dB)

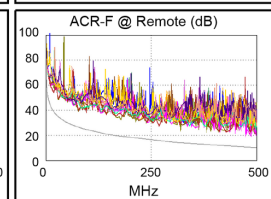
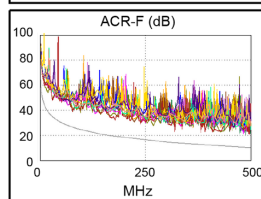


Worst Case Margin Worst Case Value

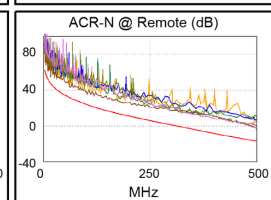
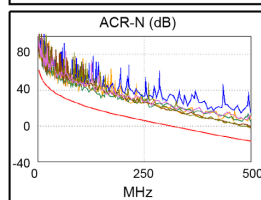
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	3,6-4,5	3,6-4,5	3,6-4,5	3,6-4,5
NEXT (dB)	10.7	9.0	11.1	9.0
Freq. (MHz)	473.0	498.0	496.0	498.0
Limit (dB)	27.4	26.7	26.8	26.7
Worst Pair	3,6	3,6	3,6	3,6
PS NEXT (dB)	11.0	10.4	11.3	10.4
Freq. (MHz)	472.0	498.0	497.0	498.0
Limit (dB)	24.6	23.8	23.8	23.8



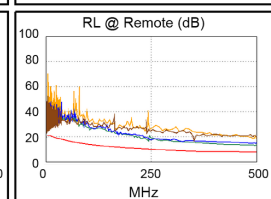
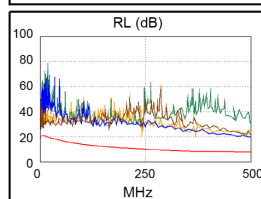
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	3,6-4,5	4,5-3,6	4,5-3,6	4,5-1,2
ACR-F (dB)	10.5	9.8	11.1	10.3
Freq. (MHz)	431.0	431.0	495.0	498.0
Limit (dB)	11.5	11.5	10.3	10.2
Worst Pair	4,5	1,2	4,5	1,2
PS ACR-F (dB)	12.3	11.3	12.3	11.3
Freq. (MHz)	484.0	497.0	484.0	497.0
Limit (dB)	7.5	7.3	7.5	7.3



	MAIN	SR	MAIN	SR
N/A				
Worst Pair	1,2-4,5	3,6-4,5	3,6-7,8	3,6-4,5
ACR-N (dB)	13.9	9.8	14.3	14.1
Freq. (MHz)	19.5	10.9	498.0	499.0
Limit (dB)	45.5	51.5	-16.9	-17.0
Worst Pair	4,5	3,6	3,6	4,5
PS ACR-N (dB)	14.9	11.4	16.5	15.6
Freq. (MHz)	19.9	10.9	500.0	499.0
Limit (dB)	42.9	49.1	-20.0	-19.9



	MAIN	SR	MAIN	SR
PASS				
Worst Pair	7,8	3,6	4,5	3,6
RL (dB)	8.9	5.0	11.8	5.0
Freq. (MHz)	8.3	495.0	500.0	495.0
Limit (dB)	21.0	8.0	8.0	8.0



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

LinkWare™ PC Version 10.5