

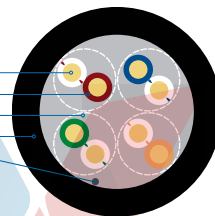
U/UTP Shielded CAT.5E EXTERIOR 24AWG Twisted Pair Installation Cable



Application

- Meets or exceeds requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel standards.
- Meets or exceeds requirements of ANSI/TIA-568-C.2 and IEC 61156-5 Category 5e component standards.
- Third party tested to Category 5e channel compliance.
- Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications.
- Descending length cable markings enable easy identification of remaining cable which reduces installation time and cable scrap.
- Color Availability: Additional cable colors available.
- Patent products: CN200920124768. 4.

Copper Conductor
HDPE Insulation
Pair
Jacket
Rip Cord



Conductor

Conductor	Solid Bare Copper 24AWG
Insulation	HDPE
Total number of insulated conductors	2x8, twisted in 2x4 pairs
Color code	White-Blue/Blue, White-Orange/Orange White-Green/Green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None

Electrical Characteristics

- Bandwidth: 100MHZ
- Transmission Speed: 100MPS
- Jacket: De Outside foil
- Impedance: 1-100MHz 100±15(Ohms).
- Rated Temperature: 75°C.
- DC Resistance Unbalance(%): Max 2.5.
- DC Resistance 20°C: 9.5(Ohms/100m).
- Pair-to-Ground Capacitance Unbalance: 330(pF/100M).
- Insulation Resistance: >5000MΩ*Km.
- Dielectric strength: DC 2500V 2S.

Order information

Item	Outer Jacket	Overall diameter(mm)
D205-P	CMX	(5.2+5.2)+/-0.3
D205-C	CM	(5.2+5.2)+/-0.3
D205-R	CMR	(5.2+5.2)+/-0.3
D205-L	LSZH	(5.2+5.2)+/-0.3
D205-E	LDPE	(5.2+5.2)+/-0.3

Nominal Transmission Characteristics

Frequency (MHz)	RL (min) (dB)	IL(max) (dB/100m)	DOP(max) (ns/100m)	Delay Skew (max) (ns/100m)	NEXT (min) (dB)	PSNEXT (min) (dB)	ACR-F (min) (dB/100m)	PSACR-F (min) (dB/100m)
1	20.0	2.2	570	45	65	62	61	61
4	23.0	4.2	552	45	56	53	48	48
10	25.0	6.5	545	45	50	47	41	41
16	25.0	8.4	543	45	47	44	36	36
20	25.0	9.3	542	45	45	42	34	34
31.25	23.6	11.6	540	45	42	39	31	31
62.5	21.5	17.0	538	45	38	35	25	25
100	20.1	22.0	537	45	35	32	21	21

Note: The above transmission performance for the 100M, 20 ± 2°C under the conditions tested.

TEST REPORT



Cable ID: U/UTPCAT5EMWA

Test Summary: PASS

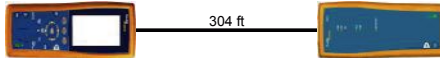
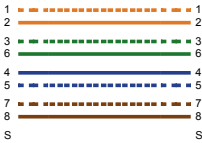
Date / Time: 04/02/2020 04:35:31pm
 Headroom: 2.2 dB (NEXT 36-78)
 Test Limit: TIA Cat 5e Channel
 Cable Type: Cat 5e UTP

Operator: MR ZHU
 Software Version: 2.5200
 Limits Version: 1.7000
 NVP: 69.0%

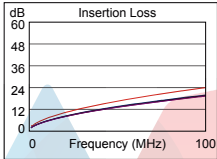
Model: DSX-5000
 Main S/N: 9439023
 Remote S/N: 9439024
 Main Adapter: DSX-CHA001
 Remote Adapter: DSX-CHA001

Wire Map (T568B)

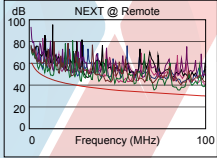
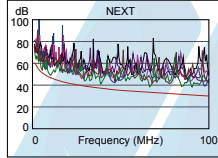
PASS



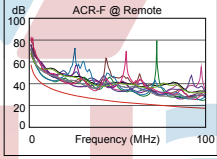
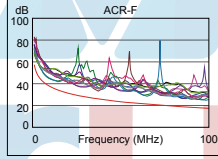
Length (ft), Limit 328	[Pair 78]	304
Prop. Delay (ns), Limit 555		459
Delay Skew (ns), Limit 50		11
Resistance (ohms)	[Pair 12]	16.8
Insertion Loss Margin (dB)	[Pair 12]	4.1
Frequency (MHz)	[Pair 12]	100.0
Limit (dB)	[Pair 12]	24.0



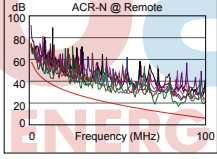
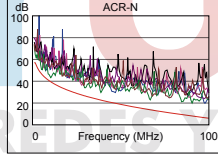
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-78	36-78	36-78	36-78
NEXT (dB)	2.2	2.5	6.5	3.1
Freq. (MHz)	10.3	71.0	85.0	84.8
Limit (dB)	46.8	32.6	31.3	31.3
Worst Pair	36	36	36	78
PS NEXT (dB)	4.3	5.0	10.0	5.4
Freq. (MHz)	10.3	5.0	97.8	84.8
Limit (dB)	43.8	49.0	27.2	28.3



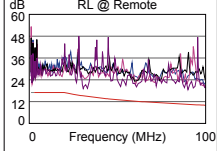
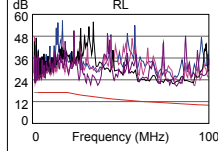
	MAIN		SR	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	45-36	45-36	36-45
ACR-F (dB)	6.7	6.8	7.3	7.1
Freq. (MHz)	8.1	8.1	98.0	98.0
Limit (dB)	39.2	39.2	17.6	17.6
Worst Pair	36	36	36	36
PS ACR-F (dB)	7.5	6.5	8.1	6.5
Freq. (MHz)	87.3	93.8	100.0	93.8
Limit (dB)	15.6	15.0	14.4	15.0



	MAIN		SR	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	36-78	36-78	12-36	36-78
ACR-N (dB)	3.8	4.4	13.3	7.4
Freq. (MHz)	10.4	5.0	97.8	84.8
Limit (dB)	39.5	47.0	6.5	9.4
Worst Pair	36	36	36	78
PS ACR-N (dB)	5.9	6.2	14.5	9.7
Freq. (MHz)	5.3	5.0	97.8	84.8
Limit (dB)	43.5	44.0	3.5	6.4



	MAIN		SR	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78	78	78	78
RL (dB)	6.5	4.1	9.5	8.1
Freq. (MHz)	33.0	30.5	81.5	90.0
Limit (dB)	14.8	15.2	10.9	10.5



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
100BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

FLUKE networks.

