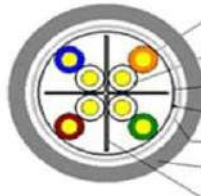


DATASHEET

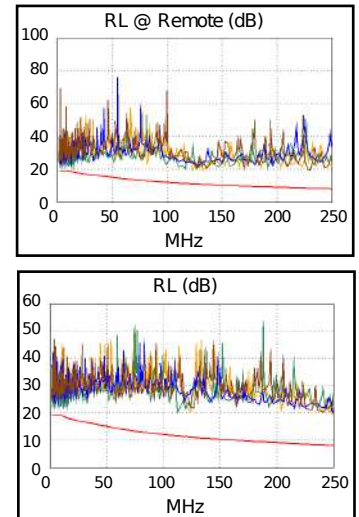
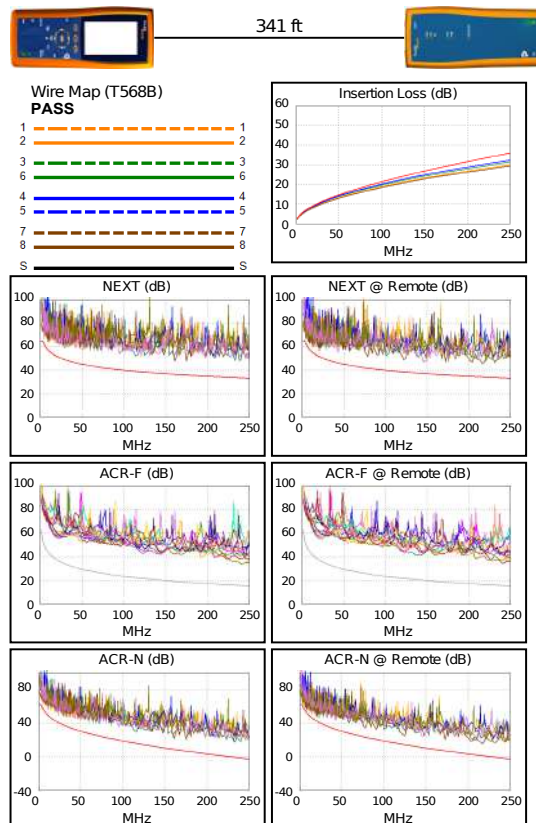
Specifications

CONDUCTOR	Configuration	4X2X0.57mm±0.015	 Soft copper TR HDPE insulation Polyester with Drain wire Plastic composite with a shield PVC jacket Center Cross A. Orange/Orange&White B. Blue/Blue&White C. Brown/Brown&White D. Green/Green&White CONFIGURATION						
	Material	BARE COPPER							
	Work datapss	160-180M							
INSULATION	Material	HDPE							
	PE OD	Φ1.02±0.05mm							
PAIRED PITCH	blue/blue&white	12mm							
	Orange /Orange &white	16mm							
	green/green&white	14mm							
	Brown/Brown&white	18mm							
INNER SHIELDING	Foil	Alumium							
	drain wire	0.38MM CCA							
CROSS CENTER	Material	Polyethylene							
	RIPCORD	Nylon							
SKIN	Material	PVC							
	color	optional							
	PVC OD	6.1mm±0.2MM							
	PVC Thickness	0.56±0.02mm							
	SERFACE	0.56±0.03mm							
PERFORMANCE	conductor resistanceΩ /100m.20℃	≤7.2Ω	Frequency	Attenuation	NEXT	Ps-NEXT	ELFEXT	Ps-ELFEXT	
	Conductor allow load current(A)	0.5A	1MHz	1.9 dB/100m	72 dB	69 dB	68 dB	65 dB	
			16MHz	7.5 dB/100m	61 dB	58 dB	48 dB	45 dB	
			25MHz	9.3 dB/100m	55 dB	52 dB	45 dB	42 dB	
			40MHz	12.1 dB/100m	53 dB	50 dB	42 dB	39 dB	
	voltage rating(V)	≤30V	60MHz	14.8 dB/100m	52 dB	49 dB	35 dB	32 dB	
			100MHz	19.3 dB/100m	50 dB	47 dB	31 dB	28 dB	
	operating temperature (℃)	—20℃~75℃	150MHz	23.6 dB/100m	43 dB	40 dB	28 dB	25 dB	
			200MHz	27.5 dB/100m	40 dB	37 dB	25.8 dB	18.7 dB	
			250MHz	30.6 dB/100m	38 dB	36.3 dB	24.3dB	16.8 dB	
300MHz			36.4 dB/100m	37.1dB	35.1dB	22.9 dB	15.2 dB		
		350MHz	39.8 dB/100m	36.1 dB	34.1 dB	21.8 dB	13.9dB		
PRINTING	COMMUNICATIONS CABLE 4/23AWG CAT 6 FTP VERIFIED TO TIA/EIA 568B.2 & ISO/IEC 11801 001-305M								

Test results

Length (ft), Limit 328	[Pair 78]	341
Prop. Delay (ns), Limit 555	[Pair 36]	538
Delay Skew (ns), Limit 50	[Pair 36]	43
Resistance (ohms)	[Pair 36]	14.4
Insertion Loss Margin (dB)	[Pair 45]	3.5
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	35.9

	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	6.9	6.2	11.6	11.0
Freq. (MHz)	3.0	3.8	161.0	218.0
Limit (dB)	65.0	63.5	36.4	34.1
Worst Pair	36	36	45	45
PS NEXT (dB)	7.6	5.5	15.8	12.9
Freq. (MHz)	3.9	3.9	238.5	217.0
Limit (dB)	60.8	60.8	30.5	31.2
PASS	MAIN	SR	MAIN	SR
Worst Pair	36-45	12-45	36-45	45-36
ACR-F (dB)	18.0	18.2	18.0	18.9
Freq. (MHz)	240.5	19.4	240.5	240.5
Limit (dB)	15.6	37.5	15.6	15.6
Worst Pair	12	12	45	36
PS ACR-F (dB)	18.9	19.6	20.3	20.2
Freq. (MHz)	18.6	19.5	240.5	240.5
Limit (dB)	34.9	34.5	12.6	12.6
N/A	MAIN	SR	MAIN	SR
Worst Pair	36-45	36-45	12-45	36-45
ACR-N (dB)	7.0	6.3	18.2	14.1
Freq. (MHz)	2.9	3.8	238.5	218.0
Limit (dB)	61.6	59.6	-1.5	1.0
Worst Pair	36	36	45	45
PS ACR-N (dB)	7.7	5.6	19.3	16.0
Freq. (MHz)	3.9	3.9	238.5	217.5
Limit (dB)	56.8	56.8	-4.4	-1.9
PASS	MAIN	SR	MAIN	SR
Worst Pair	36	36	78	12
RL (dB)	3.9	4.1	10.7	7.8
Freq. (MHz)	6.9	4.1	242.0	123.5
Limit (dB)	19.0	19.0	8.2	11.1



Compliant Network Standards:

10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

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