

CONSTRUCTION CHARACTERISTICS

Number of Pairs:	4
Total Number of Conductors:	8
Conductor Diameter:	23 AWG
Conductor:	Solid Bare Copper
Conductor Stranding:	None
Insulation Material:	PO
Outer Jacket Material:	Flame retardant PVC
Outer Jacket Ripcord:	Yes
Cable Weight:	35.3 lb
Jacket Color:	White

ELECTRICAL CHARACTERISTICS

Nominal Mutual Capacitance @ 1 KHz:	5.6 nF / 100 m
Nominal Velocity of Propagation:	66%
Maximum Delay Skew:	≤ 45 ns / 100 m
Maximum DCR Unbalance @ 20 °C:	≤ 4%
Maximum Conductor DCR:	≤ 9.38 Ω / 100 m
UL/ETL:	CMR/ETL
Swept:	Swept to 650 MHz
Transmission Standards:	ANSI/TIA-568.2-D-2018

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature:	-20 °C to +60 °C (-4 °F to +140 °F)
Installation Temperature:	-10 °C to +60 °C (-14 °F to +140 °F)

PACKAGING

1000 ft Reel



Transmission Performance (100 m at 20 °C)							
Frequency (MHz)	Return Loss Min. (dB)	Attenuation Max (dB)	NEXT Min. (dB)	PSNEXT Min. (dB)	ACRF Min. (dB)	PSACRF Min. (dB)	Propagation Delay Max (ns)
1	2.1	74.3	72.3	67.8	64.8	20.0	570
4	3.8	65.3	63.3	55.8	52.8	23.0	552
8	5.3	60.8	58.8	49.7	46.7	24.5	547
10	5.9	59.3	57.3	47.8	44.8	25.0	545
16	7.5	56.2	54.2	43.7	40.7	25.0	543
20	8.4	54.8	52.8	41.8	38.8	25.0	542
25	9.4	53.3	51.3	39.8	36.8	24.3	541
31.25	10.5	51.9	49.9	37.9	34.9	23.6	540
62.50	15.0	47.4	45.4	31.9	28.9	21.5	539
100	19.1	44.3	42.3	27.8	24.8	20.1	538
200	27.6	39.8	37.8	21.8	18.8	18.0	537
250	31.1	38.3	36.3	19.8	16.8	17.3	536
300	34.3	37.1	35.1	18.3	15.3	16.8	536
400	40.1	35.3	33.3	15.8	12.8	15.9	536
500	45.3	33.8	31.8	13.8	10.8	15.2	536
550*	14.9	47.7	33.2	31.2	13.0	10.0	536
600*	14.7	50.1	32.6	30.6	12.2	9.2	535
650*	14.4	52.3	32.1	30.1	11.5	8.5	535

* Values above 500 MHz are for reference only

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