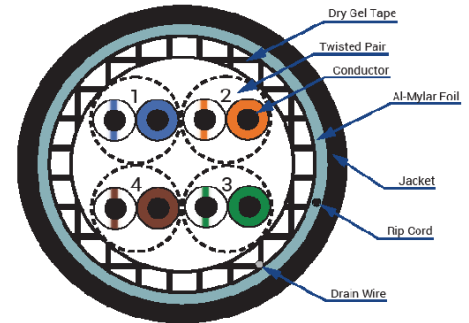


### ELECTRICAL CHARACTERISTICS

Impedance 1 MHz to 100 MHz	100 Ω ± 15 Ω
Nominal Mutual Capacitance @ 1 KHz	≤ 5.6nF /100 m
Maximum Capacitance Unbalance	330 pF/100 m
Nominal Velocity of Propagation	70%
Maximum Delay (ns/100 m) @ 100 MHz	538 ns
Maximum Delay Skew	≤ 45 ns/100 m
Maximum DCR Unbalance @ 20 °C	≤ 5%
Maximum Conductor DC Resistance @ 20 °C	9.38 Ω/100 m
Swept to 350 MHz	



Frequency (MHz)	Return Loss (Min dB)	Attenuation (Max dB/100 m)	NEXT (Min dB)	PSNEXT (Min dB)	ELFEXT (Min dB/100 m)	PSELFEXT (Min dB/100 m)	Prop Delay (Max ns/100m)
1	20.0	2.0	74.3	72.3	57.8	64.8	570
4	23.0	3.8	65.3	63.3	55.8	52.8	552
8	24.5	5.3	60.8	58.8	49.7	46.7	547
10	25.0	6.0	59.3	57.3	47.8	44.8	545
16	25.0	7.6	56.2	54.2	43.7	40.7	543
20	25.0	8.5	54.8	52.8	41.8	38.8	542
25	24.3	9.5	53.3	51.3	39.8	36.8	541
30	23.8	10.4	52.1	50.1	38.3	35.3	541
31.25	23.6	10.7	51.9	49.9	37.9	34.9	540
62.5	21.5	15.4	47.4	45.4	31.9	28.9	539
100	20.1	19.8	44.3	42.3	27.8	24.8	538
155	18.8	25.2	41.4	39.4	24.0	21.0	537
200	18.0	29.0	39.8	37.8	21.8	18.8	537
240	17.4	32.1	38.6	36.6	20.2	17.2	536
250	17.3	32.8	38.3	36.3	19.8	16.8	536
*300	16.8	36.4	37.1	35.1	18.3	15.3	536
*350	16.3	39.8	36.1	34.1	16.9	13.9	536
*400	15.9	43.0	35.3	33.3	15.8	12.8	536
*450	15.5	46.0	34.5	32.5	14.7	11.7	536
*500	15.2	48.9	33.8	31.8	13.8	10.8	536

\* For reference only

### CONSTRUCTION CHARACTERISTICS

Number of Pairs	4
Total Number of Conductors	8
AWG	23 (0.57 mm)
Conductor Stranding	Solid
Conductor Material	Bare copper
Insulation Material	HDPE
Outer Jacket OD	8 mm (.31 in)
Outer Jacket Material	LDPE UV Rated
Outer Jacket Ripcord	Yes
Shipping Weight	39.6 lb (18.0 Kg)
Max Recommended Pulling Tension	35 lb (16 kg)
Min Bend Radius (Install)	1.26 in (32 mm)
Operating Temperature Range	-40 °C to + 75 °C
Sequential Marking	0 ft to 1000 ft (0 m to 305 m)
Reference Standard	ISO/IEC 11801, ANSI/TIA-568.2-D
Packaging Options	1000
UL/CSA/ETL	None
Wall Blocking Material	Dry Gel Swellable Tape
Shield Tape	Aluminum Tape
Drain Wire	26 AWG Solid TC

