

Category 5e Cable
4 Pair, 24 AWG, Solid Bare Copper Conductors,
HDPE Insulation, Ripcord, FR-PVC Jacket

CONSTRUCTION CHARACTERISTICS

Number of Pairs	4
Total Number of Conductors	8
AWG	24 (0.49 mm)
Conductor	Solid bare copper
Insulation Material	HDPE
Outer Jacket OD	0.201 in
Outer Jacket Material	FR-PVC
Outer Jacket Ripcord	Yes
Cable Weight	20 lb/1000 ft (9.1 kg/km)
Max Recommended Pulling Tension	35 lb
Min Bend Radius (Install)	1.0 in
Jacket Colors	White



ELECTRICAL CHARACTERISTICS

Impedance @ 1 MHz to 100 MHz	100 Ω ± 15 Ω
Nom Mutual Capacitance @ 1 KHz	15 pF/ft
Max Capacitance Unbalance	330 pF/100 m
Nom Velocity of Propagation	70%
Max Delay (ns/100 m) @ 100 MHz	538 ns
Max Delay Skew	45 ns/100 m
Max DCR Unbalance @ 20 °C	5%
Max Conductor DC Resistance @ 20 °C	9.38 Ω/100 m
Max Operating Voltage (UL)	300 V RMS
UL	CM
Swept Certification	Swept to 350 MHz Certified to 100 MHz
Transmission Standards	TIA/EIA-568-C.2, ETL Listed, ISO/IEC 11801 Class D

ENVIRONMENTAL CHARACTERISTICS

Operating Temperature	-22 °F to +194 °F (-30 °C to +90 °C)
Installation Temperature	14 °F to +140 °F (-10 °C to +60 °C)

PACKAGING

Packaging	1000 ft pull box Other options available
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Frequency (MHz)	Attenuation* (Min dB)	Return Loss* (Max dB/100 m)	NEXT* (Min dB)
1	2.0	23.0	0.3
4	4.1	23.0	61.2
10	6.5	25.0	55.3
16	8.2	25.0	52.3
31.25	11.7	23.6	47.9
62.5	17.0	21.5	43.4
100	22.0	20.1	40.3
155	28.1	18.8	37.4
200	32.4	18.0	35.7
250	38.9	17.5	34.8
300	41.0	16.8	33.1
350	44.9	16.3	32.1

*Values Above 100 MHz are Information Only