

-GENESIS-

Riser Rated Networking/Ethernet Cable

Part Number: 5078

4 Unshielded Twisted Pair (UTP) Category 5e

Ratings Approvals	CMR, FT4, Sunlight Resistant UL Listed, ETL Verified			
Construction				
Conductor	24 AWG Solid Bare Copper	Color Code	Pair	
Conductor Count	8 (4 pairs)	Blue & White/Blue	1	
Insulation	HDPE or PP	Orange & White/Orange	2	
Shielding	N/A	Green & Green/White	3	
Rip Cord	Yes	Brown & Brown/White	4	
Jacket	PVC			
Overall Diameter	0.200" nom.			
Print Legend	GENESIS P/N 5078 4PR24 CAT 5E E175104-1 (UL) CMR C(UL)US FT4 SUN RES 75C (RoHS) ETL VERIFIED TO TIA-568-C.2 CAT 5E XXXXXXXX YYYYFT RM# A B C D E F 1 2 3 4 5 6 7 8 9			
Properties				
Temperature	-20°C to 75°C			
Operating Voltage	300V max.			
RoHS Compliant	Yes			
Velocity of Propagation	69% nominal			
DC Resistance	9.38 Ohms/100m max. @ 20°C			
Resistance Unbalance	5% max. @ 20°C			
Capacitance	5.6 nF/100m max. @ 20°C			
Capacitance Unbalance	330 pF/100m max. @ 20°C			
Propagation Delay	570 ns/100m max. @ 20°C			
Delay Skew	45 ns/100m max. @ 20°C			

Frequency (MHz)	Insertion Loss Maximum (dB/100m)	NEXT Minimum (dB/100m)	PSNEXT Minimum (dB/100m)	Return Loss Minimum (dB/100m)
1	2.0	65.3	62.3	20.0
4	4.1	56.3	53.3	23.0
8	5.8	51.8	48.8	24.5
10	6.5	50.3	47.3	25.0
16	8.2	47.2	44.2	25.0
20	9.3	45.8	42.8	25.0
25	10.4	44.3	41.3	24.3
31.25	11.7	42.9	39.9	23.6
62.5	17.0	38.4	35.4	21.5
100	22.0	35.3	32.3	20.1
155	28.1	32.4	29.4	18.8
200	32.4	30.8	27.8	18.0
250	36.9	29.3	26.3	17.3
300	41.0	28.1	25.1	16.8
350	44.9	27.1	24.1	16.3

ETL Verified to TIA/EIA-568-C.2 Cat 5e. Sweep tested to 350 MHz

Country of Origin

Vietnam