

# -GENESIS-

## Plenum Rated Networking/Ethernet Cable Part Number: 5088

### 4 Unshielded Twisted Pair (UTP) Category 5e

**Ratings** CMP, FT6  
**Approvals** UL Listed, ETL Verified

#### Construction

Conductor Type	24 AWG Solid Bare Copper	Color Code	Pair
Conductor Count	8 (4 pairs)	Blue & White/Blue	1
Insulation	FEP	Orange & White/Orange	2
Shielding	N/A	Green & Green/White	3
Rip Cord	Yes	Brown & Brown/White	4
Jacket Material	PVC		
Overall Outer Diameter	0.200" nom.		
Print Legend	GENESIS P/N 5088 4PR24 CAT 5E E175104-1 (UL) CMP C(UL)US FT6 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		

#### Electrical & Environmental

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