

# -GENESIS-

## Plenum Rated Networking/Ethernet Cable Part Number: 5392

### 4 Overall Shielded Twisted Pair (F/UTP) Category 6+

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

#### Construction

Conductor	23 AWG Solid Bare Copper	Color Code	Pair
Conductor Count	8 (4 pairs)	Blue & White/Blue	1
Insulation	FEP	Orange & White/Orange	2
Shielding	Overall Foil Shield	Green & Green/White	3
Rip Cord	Yes	Brown & Brown/White	4
Jacket	PVC		
Overall Diameter	0.275" nom.		
Print Legend	GENESIS P/N 5392 SHIELDED 4PR23 CAT 6 PLUS E175104-1 (UL) CMP C(UL)US FT6 75C (RoHS) UL VERIFIED TO TIA-568-C.2 CAT 6 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	74.3	72.3	20.0
4	3.8	65.3	63.3	23.0
8	5.3	60.8	58.8	24.5
10	6.0	59.3	57.3	25.0
16	7.6	56.2	54.2	25.0
20	8.5	54.8	52.8	25.0
25	9.5	53.3	51.3	24.3
31.25	10.7	51.9	49.9	23.6
62.5	15.4	47.4	45.4	21.5
100	19.8	44.3	42.3	20.1
155	25.2	41.4	39.4	18.8
200	29.0	39.8	37.8	18.0
250	32.8	38.3	36.3	17.3
300	36.4	37.1	35.1	16.8
350	39.8	36.1	34.1	16.3
400	43.0	35.3	33.3	15.9
500	48.9	33.8	31.8	15.2
550	51.8	33.2	31.2	14.9
600	54.5	32.6	30.6	14.7

UL Verified to TIA/EIA-568-C.2 Cat 6. Sweep tested to 600 MHz

Country of Origin Vietnam