-GENESIS-

Riser Rated Networking/Ethernet Cable
Part Number: 5092

4 Unshielded Twisted Pair (UTP) Category 6+

Ratings CMR, FT4, Sunlight Resistant
Approvals UL Listed, ETL Verified

Construction

Conductor Type	23 AWG Solid Bare Copper
Conductor Count	8 (4 pairs)
Insulation	Polyethylene
Spacer	Yes
Shielding	N/A
Rip Cord	Yes
Jacket Material	PVC
Overall Outer Diameter	0.240" nom.
Print Legend	GENESIS P/N 5092 4PR23 CAT 6 PLUS E175104-1 (UL) CMR C(UL)US FT4 SUN RES 75C (RoHS) ETL VERIFIED TO TIA-568-C.2 CAT 6 XXXXXXXX YYYY FT RM# A B C D E F 1 2 3 4 5 6 7 8 9

Color Code	Pair
Blue & White/Blue	1
Orange & White/Orange	2
Green & Green/White	3
Brown & Brown/White	4

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	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

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

Country of Origin Vietnam

Published: 2018-10-19 DDD