



GENESIS SERIES

**General Communications Cable
4 Pair 23 A WG Cat 6 Plus Riser Part No. 5092**

Description:

4 pair Category 6 PLUS unshielded twisted pair (UTP) cable, riser communication (CMR) FT4 rated by UL (or ETL). AWG #23 solid bare copper conductors, polypropylene insulation, FR polyolefin spacer, PVC jacket with ripcord under jacket and sequential footage markings. ETL (or UL) CAT 6 Verified to TIA/EIA-568 (Latest Revision) requirements and sweep tested to 500 MHz with values beyond 400 MHz for information only.

Physical Information:

UL Rating:	CMR	<u>Conductor Color Code</u>	<u>Pair</u>
Insulation Type:	Polyethylene	Blue & White/Blue	1
Jacket Type:	PVC	Orange & White/Orange	2
Jacket Diameter:	0.240"	Green & White/Green	3
Voltage Rating :	300V	Brown & White/Brown	4
Temperature:	-20°C to 75°C		
Rip Cord (Y/N):	Yes		

Print Legend*:

**HONEYWELL P/N 5092 4PR23 CAT 6 PLUS EEEEE (AAA) CL2R OR CMR
C(AAA)US FT4 SUN RES 75C (RoHS) BBB VERIFIED TO TIA-568-(NNN) CAT 6 XXXXXXXX
YYYY FT RM# A B C D E F 1 2 3 4 5 6 7 8 9**

- EEEEEE – UL or ETL listing #
- AAA – UL or ETL
- BBB – Verification UL or ETL
- NNN – Most Recent Revision of TIA/EIA – 568 Standard (I.e. 568-C.2)
- XXXXXXX – Tracking #
- YYYY – Countdown Footage Marking Number

Electrical Characteristics:

<i>Attribute</i>	<i>Nominal Value</i>	<i>Maximum Value</i>
DC Resistance	7.6 ohms/100m	9.38 ohms/100m
Resistance Unbalance	1.5%	5%
Capacitance	4.9 nF/100m	5.6 nF/100m
Capacitance Unbalance	50 pF/100m	330 pF/100m
Velocity of Propagation	69%	NA
Propagation Delay	535 ns/100m	570 ns/100m
Delay Skew	20 ns/100m	45 ns/100m

Frequency (MHz)	Max Attenuation (dB/100m)	Min NEXT (dB)	Min PSNEXT (dB)	Min PSACR (dB/100m)	Impedance (ohms)	Min PSELFEXT (dB)	RL (dB)
0.772	1.8	76	74	72	NA	67	NA
1	2.0	74	72	70	100 +/- 15	65	20
4	3.8	65	63	59	100 +/- 15	53	23
8	5.3	61	59	53	100 +/- 15	47	25
10	6.0	59	57	51	100 +/- 15	45	25
16	7.6	56	54	47	100 +/- 15	41	25
20	8.5	55	53	44	100 +/- 15	39	25
25	9.5	53	51	42	100 +/- 15	37	24
31.25	10.7	52	50	39	100 +/- 15	35	24
62.5	15.4	47	45	30	100 +/- 15	29	22
100	19.8	44	42	23	100 +/- 15	25	20
155	25.2	41	39	14	100 +/- 15	21	19
200	29.0	40	38	8.8	100 +/- 15	19	18
250	32.8	38	36	3.5	100 +/- 15	17	17
350	39.8	36	34	---	100 +/- 15	14	16
500	48.9	34	32	---	100 +/- 15	11	15

The above information is the property of Honeywell and is subject to change without notice. Values above 400 MHz are for information only.