Honeywell

GENESIS SERIES

General Communications Cable
Part No. 5088

Description:
4 pair Category 5e unshielded twisted pair (UTP) cable, plenum communication rated UL (or ETL) Listed with 24 AWG solid bare copper conductors, FEP insulation, PVC jacket and a ripcord, 1000 - 0 (descending) footage marking. UL (or ETL) Verified to TIA/EIA-568 (Latest Revision) Category 5e and sweep tested to 350 MHz.

Physical Information:

UL Listing:	CMP
Insulation Type	FEP
Jacket Type	PVC
Jacket Diameter:	0.200”
Voltage Rating:	300 V
Temperature Rating:	-20°C to 75°C

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

Print Legend*:
HONEYWELL P/N 5088 4PR24 CAT 5E EEEEEE (AAA) CL2P OR CMP
C(AAA)US FT6 75C (RoHS) BBB VERIFIED TO TIA-568-(NNN) CAT 5E 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:

Characteristic	Nominal Value	Maximum Value
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	515 ns/100m	570 ns/100m
Delay Skew	15 ns/100m	45 ns/100m

Frequency (MHz)	Impedance (Ohms)	Return Loss (Min, dB)	Insertion Loss (Max, dB/100m)	NEXT (Min, dB/100m)	PSNEXT (Min, dB/100m)	ELFEXT (Min, dB/100m)	PSELFEXT (Min, dB/100m)
0.772	100 +/- 15	19.4	1.8	67.0	64.0	66.1	63.1
1	100 +/- 15	20.0	2.0	65.3	62.3	63.8	60.8
4	100 +/- 15	23.0	4.1	56.3	53.3	51.8	48.8
8	100 +/- 15	24.5	5.8	51.8	48.8	45.7	42.7
10	100 +/- 15	25.0	6.5	50.3	47.3	43.8	40.8
16	100 +/- 15	25.0	8.2	47.2	44.2	39.7	36.7
20	100 +/- 15	25.0	9.3	45.8	42.8	37.8	34.8
25	100 +/- 15	24.3	10.4	44.3	41.3	35.8	32.8
31.25	100 +/- 15	23.6	11.7	42.9	39.9	33.9	30.9
62.5	100 +/- 15	21.5	17.0	38.4	35.4	27.9	24.9
100	100 +/- 15	20.1	22.0	35.3	32.3	23.8	20.8
155	100 +/- 20	18.8	28.1	32.4	29.4	20.0	17.0
200	100 +/- 22	18.0	32.4	30.8	27.8	17.8	14.8
350	100 +/- 25	16.3	44.9	27.1	24.1	12.9	9.9