

### General Communications Cable

#### HONEYWELL 4 Pair Zero Halogen Cat 5e 350 MHz CM Part No. 5080XXXX

**Description:**

4 pair Category 5e unshielded twisted pair (UTP) cable, general communication UL 444 CM rated UL (or ETL) Listed with 24 AWG solid bare copper conductors, polyethylene or polypropylene insulation, RoHS compliant Low Smoke Zero Halogen polyolefin 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:	CM	Conductor Color Code	Pair
Insulation Type	HDPE or PP	Blue & White/Blue	1
Jacket Type	LSZH polyolefin	Orange & White/Orange	2
Jacket Diameter:	0.200"	Green & White/Green	3
Voltage Rating:	300 V	Brown & White/Brown	4
Temperature Rating:	-20°C to 75°C		

**Print Legend\*:**

HONEYWELL P/N 5080 4PR24 LSZH CAT 5E EEEEE (AAA) CL2 OR CM C(AAA)US SUN RES  
 75C (RoHS) BBB VERIFIED TO TIA-568-(NNN) CAT 5E ISO/IEC 11801 (EC) VERIFIED  
 XXXXXXXX YYYY FT RM# A B C D E F 1 2 3 4 5 6 7 8

- 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