



## GENESIS SERIES CABLE

### General Communications Cable Part No. 5090

#### Description:

4 pair Category 5e unshielded twisted pair (UTP) cable with a moisture absorption water blocking tape. AWG #24 solid bare copper conductors, polypropylene insulation, black Sunlight Resistant LLDPE jacket.

#### Physical Information:

		<u>Conductor Color Code</u>	<u>Pair</u>
Cable Weight:	24 lbs/1000'	Blue & White/Blue	1
Jacket Diameter:	0.200"	Orange & White/Orange	2
Min. Bend Radius:	0.8"	Green & White/Green	3
Max. Pulling Tension:	25 lbs.	Brown & White/Brown	4
Temperature Rating:	-60 to 80 deg C		

Print Legend: HONEYWELL CATLINK 5E 4PR24 UNDERGROUND CAT 5E SUN RES

#### Electrical Information

Voltage Rating: 300 V

Current Rating: 1.4 A

<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	515 ns/100m	570 ns/100m
Delay Skew	15 ns/100m	45 ns/100m

Frequency (MHz)	Max Attenuation (dB/100m)	Min PSNEXT (dB)	Min PSACR (dB/100m)	Impedance (ohms)	Min PSELFEXT (dB)	RL (dB)
0.772	1.8	64	62	NA	63	NA
1	2.0	62	60	100 +/- 15	61	20
4	4.1	53	49	100 +/- 15	49	23
8	5.8	49	43	100 +/- 15	43	25
10	6.5	47	41	100 +/- 15	41	25
16	8.2	44	36	100 +/- 15	37	25
20	9.3	43	34	100 +/- 15	35	25
25	10.4	41	31	100 +/- 15	33	24
31.25	11.7	40	28	100 +/- 15	31	24
62.5	17.0	35	18	100 +/- 15	25	22
100	22.0	32	10	100 +/- 15	21	20
155	28.1	29	1	100 +/- 15	17	19
200	32.4	28	-	100 +/- 15	15	18
350	44.9	27	-	100 +/- 15	14	16