



GENESIS SERIES

General Communications Cable Part No. 5042

Description:

3 pair Category 3 unshielded twisted pair (UTP) cable, plenum communication (CMP) rated by UL. AWG #24 solid bare copper conductors, LS PVC insulation, LS PVC jacket with ripcord under jacket and sequential footage markings. Verified by ETL to TIA/EIA 568-B.2 Category 3 performance requirements.

Physical Information:

UL Rating:	CMP	<u>Conductor Color Code</u>	<u>Pair</u>
Cable Weight:	19 lbs/1000'	Blue & White/Blue	1
Jacket Diameter:	0.160"	Orange & White/Orange	2
Min. Bend Radius:	0.6"	Green & White/Green	3
Max. Pulling Tension:	18 lbs.		
Temperature Rating:	0 to 60 deg C		

Print Legend: HONEYWELL P/N 5042 CATLINK 32 3PR24 3038058 (ETL) CMP OR CL2P (RoHS) ETL VERIFIED
CAT 3 W/O# XXXXXX-XXXXXX XXXX FT RM# A B C D E F 1 2 3 4 5 6 7 8 9

Electrical Information

Voltage Rating: 300 V

Current Rating: 1.4 A

<i>Attribute</i>	<i>Nominal Value</i>	<i>Maximum Value</i>
dc Resistance	8.2 ohms/100m	9.38 ohms/100m
Resistance Unbalance	1.5%	5%
Capacitance	5.6 nF/100m	6.6 nF/100m
Capacitance Unbalance	50 pF/100m	330 pF/100m
Velocity of Propagation	62%	NA
Propagation Delay	530 ns/100m	570 ns/100m
Delay Skew	5 ns/100m	45 ns/100m

Frequency (MHz)	Max Attenuation (dB/100 meters)	Min NEXT (dB)	Impedance (ohms)	Min SRL (dB)
0.772	2.2	43	NA	NA
1	2.6	41	100 +/- 15	12
4	5.6	32	100 +/- 15	12
8	8.5	27	100 +/- 15	12
10	9.7	26	100 +/- 15	12
16*	13.1	23	100 +/- 15	10

*Honeywell tests to 32 MHz, which is twice the required frequency.