



GENESIS SERIES

General Communications Cable Part No. 5031

Description:

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

Physical Information:

UL Rating:	CMR	<u>Conductor Color Code</u>	<u>Pair</u>
Cable Weight:	11 lbs/1000'	Blue & White/Blue	1
Jacket Diameter:	0.150"	Orange & White/Orange	2
Min. Bend Radius:	0.6"		
Max. Pulling Tension:	12 lbs.		
Temperature Rating:	-20 to 60 deg C		

Print Legend: HONEYWELL P/N 5031 CATEGORY3 2PR24 3038058 (ETL) CMR OR CL2R SUN RES (RoHS)
ETL VERIFIED TIA/EIA 568-C 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	70%	NA
Propagation Delay	485 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.