



GENESIS SERIES

General Communications Cable Part No. 5078

Description:

4 pair Category 5e unshielded twisted pair (UTP) cable, riser communication (CMR) rated by ETL. AWG #24 solid bare copper conductors, polypropylene insulation, PVC jacket with ripcord under jacket and COUNTDOWN™ footage marking. ETL Verified to TIA/EIA-568-B.2 Category 5e. Sweep tested to 350 MHz.

Physical Information:

UL Rating:	CMR	Conductor Color Code	Pair
Cable Weight:	22 lbs/1000'	Blue & White/Blue	1
Jacket Diameter:	0.205"	Orange & White/Orange	2
Min. Bend Radius:	0.8"	Green & White/Green	3
Max. Pulling Tension:	25 lbs.	Brown & White/Brown	4
Temperature Rating:	-20 to 75°C		

Print Legend: HONEYWELL P/N 5078 CATLINK 5E 350MHZ 4PR24 3038058 (ETL) CMR OR CL2R SUNRES (RoHS)
ETL VERIFIED CAT 5E 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

Attribute	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	525 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