



GENESIS SERIES CABLE

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 CATLINK 5E 350MHZ P/N 5078 4PR24 (ETL) CMR/CL2R SUNRES 3038058 ETL VERIFIED CAT 5E C(ETL) FT4 W/O# XXXXXX-XXX XXXX FT PORT/ROOM 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 |