# Industrial Ethernet Category 5e Outside Plant Cable

**Applications:**
- IEEE 802.3: 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE+
- CDDI, Token Ring, ATM
- Broadband and Baseband Analog Video
- Non-armored design is recommended for duct installation

**Compliances:**
- ANSI/TIA 568-C.2
- UL 444
- RoHS Compliant Directive 2011/65/EU
- ANSI/TIA 862 (Building Automation)
- ICEA S-90-661
- ISO/IEC 11801 Ed. 2.0 (Class D)
- Telcordia (Bellcore) Specification GR-421-CORE Water Penetration Requirements

**Features and Benefits:**
- Protects against environmental elements that can cause electrical performance failures
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Prevents moisture migration
- Made in U.S.A.
- Gel-filled construction to prevent moisture migration in underground and wet applications

**Print Legend:**
XXXXXX FEET CAT 5e GENERAL CABLE (F) 4PR24AWG
GENSPEED 5000 OUTDOOR - DIR BUR UTP CAT.5e
AAAAA PAT 5767441 MO/YR

| CATALOG NUMBER | SPEC NUMBER | NOMINAL O.D. | | CABLE WEIGHT MFT | | NO. PAIRS | COND. AWG SIZE | PAIR COLOR CODE | INSULATION MATERIAL | SHIELD COVERAGE | RIPCORD | JACKET MATERIAL | JACKET THICKNESS | | JACKET COLORS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | INCHES | mm | LBS | kg | | | | | | | | INCHES | mm | |
| 5136100 | N/A | 0.230 | 5.842 | 25 | 11 | 4 | 24 | 1: Blue/White, Blue<br>2: Orange/White, Orange<br>3: Green/White, Green<br>4: Brown/White, Brown | HDPE | Unshielded | Polyester | UV and Abrasion Resistant Zero-Halogen Polyethylene | 0.032 | 0.813 | Black |

| Frequency (MHz) | Insertion Loss (dB/100 m) | Next (dB) | PSNext (dB) | ACR* (dB/100 m) | PSACR* (dB/100 m) | ACRF (dB/100 m) | PSACRF (dB/100 m) | Return Loss (dB) |
|---|---|---|---|---|---|---|---|---|
| | max. | min. | min. | min. | min. | min. | min. | min. |
| 1 | 2.0 | 65.3 | 62.3 | 63.3 | 60.3 | 63.8 | 60.8 | 20.0 |
| 4 | 4.1 | 56.3 | 53.3 | 52.2 | 49.2 | 51.7 | 48.8 | 23.0 |
| 10 | 6.5 | 50.3 | 47.3 | 43.8 | 40.8 | 43.8 | 40.8 | 25.0 |
| 16 | 8.2 | 47.2 | 44.2 | 39.0 | 36.0 | 39.7 | 36.7 | 25.0 |
| 20 | 9.3 | 45.8 | 42.8 | 36.5 | 33.5 | 37.7 | 34.8 | 25.0 |
| 25 | 10.4 | 44.3 | 41.3 | 33.9 | 30.9 | 35.8 | 32.8 | 24.3 |
| 31.25 | 11.7 | 42.9 | 39.9 | 31.2 | 28.2 | 33.9 | 30.9 | 23.6 |
| 62.5 | 17.0 | 38.4 | 35.4 | 21.4 | 18.4 | 27.8 | 24.9 | 21.5 |
| 100 | 22.0 | 35.3 | 32.3 | 13.3 | 10.3 | 23.8 | 20.8 | 20.1 |
| 155 | 28.1 | 32.4 | 29.4 | 4.4 | 1.4 | 20.0 | 17.0 | – |
| 200 | 32.4 | 30.8 | 27.8 | – | – | 17.8 | 14.8 | – |
| 250 | 36.9 | 29.3 | 26.3 | – | – | 15.8 | 12.8 | – |
| 300 | 41.0 | 28.1 | 25.1 | – | – | 14.3 | 11.3 | – |
| 350 | 44.9 | 27.1 | 24.1 | – | – | 12.9 | 9.9 | – |

Values above 100 MHz are for informational purposes.
*PSACR & ACR not specified in ANSI/TIA 568-C.2.

**ELECTRICAL CHARACTERISTICS**

| | |
|---|---|
| Maximum DC Resistance | 9.38 Ohms/100 m @ 20˚ C |
| Maximum DC Resistance Unbalance, Ind Pair | 4% |
| Maximum Mutual Capacitance | 17 pF/ft @ 1 KHz |
| Maximum Delay Skew | 45 ns/100 m |
| Nominal Velocity of Propagation | 69% Speed of Light |
| Characteristic Impedence (Frequency 1-100 MHz) | Ohms: 100±15 |

**MECHANICAL CHARACTERISTICS**

| | |
|---|---|
| Maximum Pulling Force | 25 lbs. |
| Minimum Bend Radius | 1.00" |
| Installation Temperature Rating | -30˚C to +60˚C |
| Operation Temperature Rating | -45˚C to +80˚C |

General Cable

Made in U.S.A.

RoHS Compliant Directive 2011/65/EU

VERIFIED

c UL us LISTED