

Outdoor Category 5e 4 Pair 24 AWG Buried Service Wire

ICEA S-90-661

GenSPEED® 5000

Product Construction:

Conductors:

- 24 AWG solid bare annealed copper

Insulation:

- Color coded Polyolefin

Flooding Compound:

- Waterproof gel prevents moisture migration

Jacket:

- Black UV- and abrasion-resistant polyethylene (PE)
- TRU-MARK™ print legend (1000' to 0')
- The jacket is designed to withstand low and high temperatures
-30°C to 60°C per installation
-45°C to 80°C per operation

Application(s):

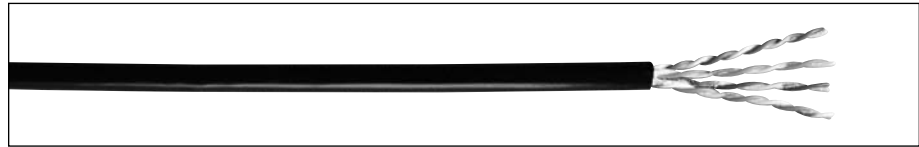
- GenSPEED® 5000 outdoor category 5e cable with armor can be installed directly in the ground, in a duct or aerially lashed to a strength member. The non-armored design is for duct installation only
- 1000 BASE-T (Gigabit Ethernet)
- 100/10BASE-T (IEEE 802.3)
- 52/155 Mbps ATM
- Voice/T1

Compliance:

- MIL-C-24640A water penetration requirements
- ANSI/TIA/EIA 568B.2 (Category 5e)
- ANSI/ICEA S-90-661 (Category 5e)
- NEMA WC63.1 (Category 5e)
- ISO 11801 (Category 5e)

Packaging:

- 1000' Reels (RL)
- Non-standard packaging is also available



Nominal Cable Data

| CATALOG NUMBER | PAIRS AWG | O.D. (INCHES) | WEIGHT (LBS/MFT) | ARMOR |
|----------------|-----------|---------------|------------------|----------|
| 5136100 | 4/24 | 0.230 | 25 | NONE |
| 5136101 | 4/24 | 0.340 | 75 | Aluminum |

Data subject to change without notice. Contact your Customer Service Representative for latest information.

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Electrical Characteristics

| | |
|--|------------------|
| DC Resistance (max) Ohms/100m (328 ft) @ 20°C | 9.38 |
| Mutual Capacity (nom) pF/ft @ 1kHz | 17 |
| Nominal Velocity of Propagation (NVP) % Speed of Light | 69 |
| Propagation Delay (max) ns @ 100 MHz | 583 |
| Delay Skew (max) ns/100m | 45 |
| Characteristic Impedance Frequency (f): 1-100 MHz | Ohms 100 ± 15 |

Electrical Characteristics

| Frequency (MHz) | Attenuation (max) | NEXT (min) | PSNEXT (min) | ELFEXT (min) | PSELFEXT (min) | Return Loss (min) |
|-----------------|-------------------|------------|--------------|--------------|----------------|-------------------|
| 1 | 2.0 | 65.3 | 62.3 | 63.8 | 60.8 | 20.0 |
| 4 | 4.1 | 56.3 | 53.3 | 51.7 | 48.7 | 23.0 |
| 8 | 5.8 | 51.3 | 48.3 | 45.7 | 42.7 | 24.5 |
| 10 | 6.5 | 50.3 | 47.3 | 43.8 | 40.8 | 25.0 |
| 16 | 8.2 | 47.3 | 44.4 | 39.7 | 36.7 | 25.0 |
| 20 | 9.3 | 45.3 | 42.8 | 37.7 | 34.7 | 25.0 |
| 25 | 10.4 | 44.3 | 41.3 | 35.8 | 32.8 | 24.3 |
| 31.25 | 11.7 | 42.9 | 39.9 | 33.9 | 30.9 | 23.6 |
| 62.5 | 17.0 | 38.4 | 35.4 | 27.8 | 24.8 | 21.5 |
| 100 | 22.0 | 35.3 | 32.3 | 23.8 | 20.8 | 20.1 |

Note: Values are expressed in dB per 100m (328ft.) length.

