

GenSPEED® 5000 CATEGORY 5e OUTSIDE PLANT CABLE

STANDARD COMPLIANCES

- ANSI/TIA/EIA 568B (Category 5e)
- ISO 11801 (Category 5e)
- ANSI/ICEA S-90-661 (Category 5e)
- NEMA WC63.1 (Category 5e)
- MIL-C-24640A Water Penetration Requirements



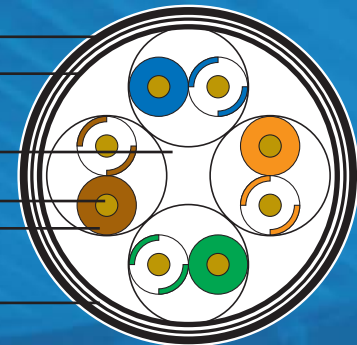
APPLICATIONS

- 1000 BASE-T (Gigabit Ethernet)
- 52/155 Mbps ATM
- 100/10BASE-T (IEEE 802.3)
- Aerial, Duct and Buried installations
- Voice/T1

PRODUCT NUMBERS

Product Number	Jacket Color	Armor	O.D. (inches)	Weight (lbs/Kft)
5136100	Black	None	0.230	25
5136101	Black	Aluminum	0.340	74

- JACKET
- INNER JACKET (ARMORED ONLY)
- FLOODING
- CONDUCTOR INSULATION
- OPTIONAL ARMOR



ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100m (328ft) @ 20°C	9.38
Mutual Capacitance (nom) pF/ft @ 1 kHz	17
Characteristic Impedance Frequency (f): 1.0 - 100 MHz	Ohms 100 ± 15
Delay Skew (max) ns/100m	45
Nom. Velocity of Propagation (NVP) % Speed of Light	69
Propagation Delay (max) ns @ 100 MHz	583

CONSTRUCTION

Conductors

- 4 pairs of 24 AWG solid bare annealed copper

Insulation

- Polyolefin

Color Code

- Pair 1: Blue-White/Blue
- Pair 2: Orange-White/Orange
- Pair 3: Green-White/Green
- Pair 4: Brown-White/Brown

Flooding Compound

- Waterproof gel prevents moisture migration

Optional Armor

- Aluminum applied helically (inner jacket is used with this construction)

Jacket

- Black UV and abrasion-resistant Polyethylene (PE)
- TRU-Mark™ print legend contains footage marking from 1000' to 0'

Temperature Rating

- -70°C to +75°C

Packaging

- 1000' Reel

ELECTRICAL PERFORMANCE

Frequency MHz	Attenuation (max)	PSNEXT (min)	NEXT (min)	PSELFEXT (min)	Return Loss (min)
1	2.0	62.3	65.3	60.8	20.0
4	4.1	53.3	56.3	48.7	23.0
8	5.8	48.3	51.3	42.7	24.5
10	6.5	47.3	50.3	40.8	25.0
16	8.2	44.3	47.3	36.7	25.0
20	9.3	42.3	45.3	34.7	25.0
25	10.4	41.3	44.3	32.8	24.3
31.25	11.7	39.3	42.3	30.9	23.6
62.5	17.0	35.3	38.3	24.8	21.5
100	22.0	32.3	35.3	20.8	20.1

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

Data subject to change without notice.