

## SMALL CABLE, BIG SAVINGS

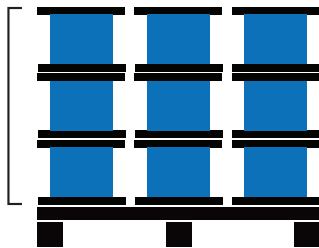
With a revolutionary design, GenSPEED<sup>®</sup> 10 is the industry's first Category 6A Cable to feature a 0.250" overall diameter and with a small cable, along comes the savings! GenSPEED 10's new standard packaging allows for improved shipping, management and warehousing efficiency, lowering overall project costs. Take a look at the benefits...

### With GenSPEED 10

#### MORE REELS PER PALLET

GenSPEED 10 standard packaging allows **36 reels per pallet**, a tremendous improvement over other Cat 6A products which allow as few as 12 reels per pallet. Either **in the warehouse or on the jobsite**, GenSPEED 10 allows you to **store more product in the same footprint**.

36 reels  
per pallet



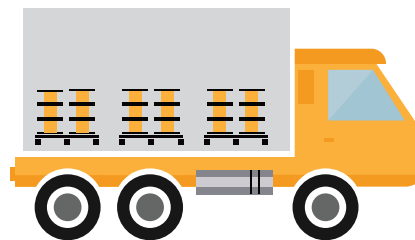
### Other 10G Cables

12-27 reels  
per pallet



#### REDUCE TRANSPORTATION COSTS

GenSPEED 10, a **lighter cable that allows more reels per pallet**, can help improve transportation efficiency and costs. In a competitive market, when controlling costs means winning business, **GenSPEED 10 can help you win!**



#### LIGHTER CABLE IS EASIER TO MANAGE

At **only 32 lbs.** of cable per reel, GenSPEED 10 is **significantly lighter** than other cables on the market. Lighter cable is **easier to manage** when loading trucks or moving around a jobsite and can help reduce the risk of worksite injuries.

32 lbs



38 lbs or  
more

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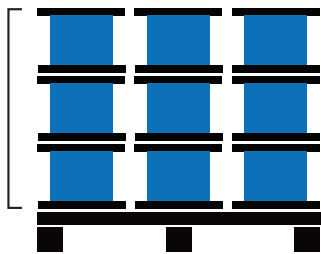
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### Other 10G Cables

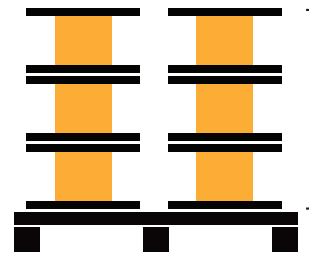
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36 reels per pallet

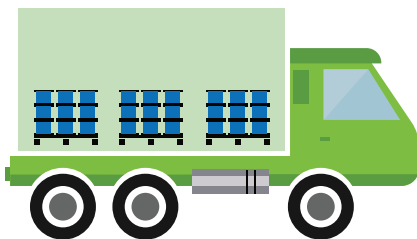


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## GenSPEED<sup>®</sup> 10 UTP Cat 6A Cable

### APPLICATIONS

- IEEE 802.3: 10G BASE-T, 1000 BASE-T, 100 BASE-TX, 10 BASE-T, PoE, PoE+ and POE ++
- ANSI/TIA 854: 1000 BASE-TX
- Digital Video
- Broadband and Baseband Analog Video
- CDDI, Token Ring, ATM

### STANDARD COMPLIANCES

- ANSI/TIA 568-C.2
- NEC/CEC Type CMP (NFPA 262) for Plenum
- UL Listed CMP-LP 0.6A
- UL 444
- UL 4299
- RoHS Compliant Directive 2011/65/EU
- ANSI/TIA 862 (Building Automation)
- ICEA S-116-732
- ISO/IEC 11801 Ed. 2.0 (Class E<sub>a</sub>)



### CONSTRUCTION

#### Conductors

- 23 AWG solid bare annealed copper

#### Insulation

- Fluoropolymer

#### ANEXT Protection

- Encapsulated Isolation Wrap

#### Color Code

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

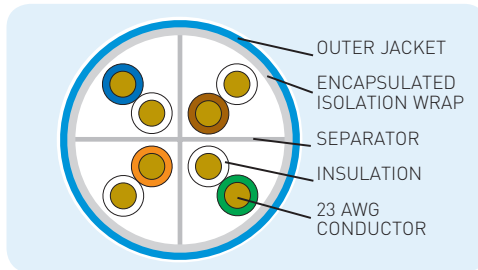
#### Separator

- Engineered Cross-web

#### Jacket

- Plenum: Low-smoke, Flame-Retardant PVC

### CROSS-SECTION



### PHYSICAL DATA

Nominal Cable Diameter (in)	0.250
Nominal Cable Weight (lbs/1000 ft)	32
Minimum Bend Radius (in)	1
Maximum Pulling Force (lbs)	40
Temperature Rating (°C)	
Installation:	0 to +60
Operation:	-20 to +90

### PART NUMBERS

Standard Packaging: 1000' Spool\*

Jacket Color	CMP (Plenum)	
	Spool	Spool-Pac
Blue	<b>7141819</b>	<b>7141869</b>
White	<b>7141820</b>	<b>7141870</b>

\*Note: Spool Pac available upon request. Non-stock items may be subject to minimum order quantities. Other colors available.

### ELECTRICAL CHARACTERISTICS

	Max.	Nom.
<b>DC Resistance</b> Ohms/100 m [328 ft] @ 20° C	9.38	7.50
<b>DC Resistance Unbalanced</b> Individual Pair %	4.00	< 1
<b>Delay Skew</b> ns/100 m	45ns/100m	
<b>Nom. Velocity of Propagation</b> % Speed of Light	70	
<b>Characteristic Impedance</b> Frequency (f): 1-500 MHz	Ohms 100 ± 15	

### ELECTRICAL PERFORMANCE

Frequency MHz	PSACR** (min)	ACR** (min)	Insertion Loss (min)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)	TCL (min)	PSANEXT (min)		PSAACRF (min)	
	TIA / GC Guaranteed	TIA / GC Guaranteed		TIA / GC Guaranteed	TIA / GC Guaranteed	TIA / GC Guaranteed	TIA / GC Guaranteed		TIA / GC Guaranteed	TIA / GC Guaranteed	TIA	GC Guaranteed	TIA
1	70.2	72.2	2.1	72.3	74.3	64.8	67.8	20.0	40.0	67.0	69.0	67.0	69.0
4	59.5	61.5	3.8	63.3	65.3	52.8	55.8	23.0	40.0	67.0	69.0	66.2	68.2
10	51.4	53.4	5.9	57.3	59.3	44.8	47.8	25.0	40.0	67.0	69.0	58.2	60.2
16	46.8	48.8	7.5	54.2	56.2	40.7	43.7	25.0	38.0	67.0	69.0	54.1	56.1
20	44.4	46.4	8.4	52.8	54.8	38.8	41.8	25.0	37.0	67.0	69.0	52.2	54.2
31.25	39.4	41.4	10.5	49.9	51.9	34.9	37.9	23.6	35.1	67.0	69.0	48.3	50.3
62.5	30.4	32.4	15.0	45.4	47.4	28.9	31.9	21.5	32.0	65.6	67.6	42.3	44.3
100	23.2	25.2	19.1	42.3	44.3	24.8	27.8	20.1	30.0	62.5	64.5	38.2	40.2
150	16.0	18.0	23.7	39.7	41.7	21.3	24.3	18.9	28.2	59.9	61.9	34.7	36.7
200	10.2	12.2	27.6	37.8	39.8	18.8	21.8	18.0	27.0	58.0	60.0	32.2	34.2
250	5.2	7.2	31.1	36.3	38.3	16.8	19.8	17.3	26.0	56.5	58.5	30.2	32.2
300	0.9	2.9	34.3	35.1	37.1	15.3	18.3	16.8	25.2	55.3	57.3	28.7	30.7
400	—	—	40.1	33.3	35.3	12.8	15.8	15.9	24.0	53.5	55.5	26.2	28.2
500	—	—	45.3	31.8	33.8	10.8	13.8	15.2	23.0	52.0	54.0	24.2	26.2
600*	—	—	50.1*	30.6*	32.6*	9.2*	12.2*	14.7*	22.2*	—	50.8*	—	22.6*
700*	—	—	54.5*	29.6*	31.6*	7.9*	10.9*	14.2*	21.5*	—	49.8*	—	21.3*
750*	—	—	56.7*	29.2*	31.2*	7.3*	10.3*	14.0*	21.2*	—	49.4*	—	20.7*

Note: Values are expressed in dB per 100 m [328 ft.] length @ 20° C. \*Values are for reference only.  
\*\*PSACR & ACR not specified in ANSI/TIA 568-C.2



4 Tesseneer Drive, Highland Heights, Kentucky 41076-9753

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Telephone: 859.572.8000  
800.424.5666 (U.S.)  
800.561.0649 (Canada)

Email: info@generalcable.com  
www.generalcable.com  
Form No. DAT-0181-R0718