

GenSPEED® 10,000 with 17 FREE™ Category 6a Cable



Features And Benefits

- No halogens
- Less toxic
- More environmentally friendly
- Increased flexibility for easy installation
- Performance guaranteed to 500 MHz
- TRU-Mark® print legend contains footage markings from 1000' to 0'
- Third-party verified for guaranteed performance
- Extensive design development conducted to find the perfect blend of product performance and consistent manufacturability
- Innovative T-Top cross-web provides superior internal electrical characteristics by locking the pairs into a systematic orientation within the cable
- Superior flame and smoke characteristics achieved through innovative design and careful selection of materials with certified suppliers
- AirEs jacket provides superior flexibility and maximum separation of pairs from cable to cable for consistent PSANEXT and PSAACRF performance
- Made in U.S.A.

Applications

- IEEE 802.3: 10G BASE-T, 100 BASE-T
- 100 BASE-TX, 10 BASE-T, 1000 BASE-TX
- ANSI/TIA-854: 1000 BASE-TX
- 155 Mb/s ATM
- ANSI X3.263: 100 Mb/s
- IEEE 802.3af for PoE
- IEEE 802.3at for PoE Plus

Standard Compliances

- ANSI/TIA 568-C.2
- RoHS Compliant Directive 2002/95/EC
- UL 444
- IEC 60754-2



VERIFIED

RoHS Compliant
Directive 2002/95/EC

TIA 568-C.2



CONSTRUCTION

Conductors

- 23 AWG solid bare annealed copper

Insulation

- Non-Plenum: Polyolefin

Color Code

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

Separator

- T-Top cross-web

Jacket









- Non-Plenum: Zero-Halogen Polyolefin

PHYSICAL DATA

	CMR (Non-Plenum)
Nominal Cable Diameter (in)	0.330
Nominal Cable Weight (lbs/1000 ft)	48
Minimum Bend Radius (in)	1.5
Maximum Pulling Force (lbs)	40
Temperature Rating (°C)	
Installation:	-10 to +60
Operation:	-20 to +75

PART NUMBERS

Standard packaging: 1000' Spool

Jacket Color	Spool
	CMR (Non-Plenum)
 Blue	7133819-17F
 White	7133820-17F
 Yellow	7133822-17F
 Gray	7133821-17F
 Red	7133824-17F
 Orange	7133826-17F
 Green	7133823-17F
 Black	7133828-17F
 Pink	7133827-17F
 Purple	7133825-17F

Note: Non-stock items may be subject to minimum order quantities.

Data subject to change without notice.

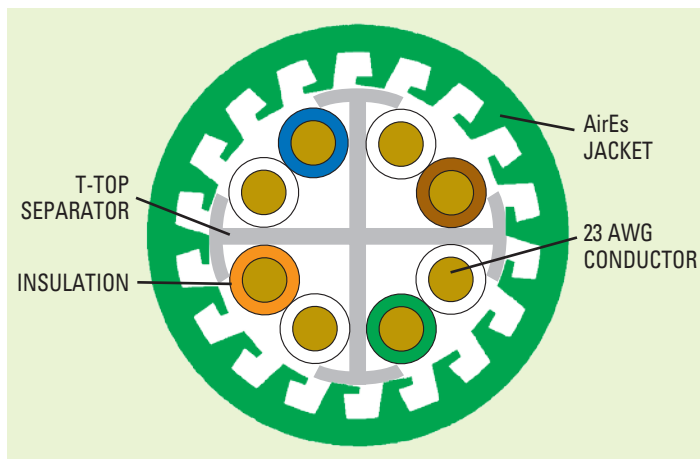


ELECTRICAL PERFORMANCE

Frequency MHz	PSACR* (min)	ACR* (min)	Attenuation (max)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (min)	Return Loss (min)	TCL (min)	PSANEXT (min)	PSAACRF (min)
1	70.2	72.2	2.1	72.3	74.3	64.8	67.8	20.0	40.0	67.0	67.0
4	59.5	61.5	3.8	63.3	65.3	52.8	55.8	23.0	40.0	67.0	66.2
8	53.5	55.5	5.3	58.8	60.8	46.7	49.7	24.5	40.0	67.0	60.1
10	51.4	53.4	5.9	57.3	59.3	44.8	47.8	25.0	40.0	67.0	58.2
16	46.7	48.7	7.5	54.2	56.2	40.7	43.7	25.0	38.0	67.0	54.1
20	44.4	46.4	8.4	52.8	54.8	38.8	41.8	25.0	37.0	67.0	52.2
25	41.9	43.9	9.4	51.3	53.3	36.8	39.8	24.3	36.0	67.0	50.2
31.25	39.4	41.4	10.5	49.9	51.9	34.9	37.9	23.6	35.1	67.0	48.3
62.5	30.4	32.4	15.0	45.4	47.4	28.9	31.9	21.5	32.0	65.6	42.3
100	23.2	25.2	19.1	42.3	44.3	24.8	27.8	20.1	30.0	62.5	38.2
200	10.2	12.2	27.6	37.8	39.8	18.8	21.8	18.0	27.0	58.0	32.2
250	5.2	7.2	31.1	36.3	38.3	16.8	19.8	17.3	26.0	56.5	30.2
300	0.8	2.8	34.3	35.1	37.1	15.3	18.3	16.8	25.2	55.3	28.7
400	—	—	40.1	33.3	35.3	12.8	15.8	15.9	24.0	53.5	26.2
500	—	—	45.3	31.8	33.8	10.8	13.8	15.2	23.0	52.0	24.2

Note: Values are expressed in dB per 100 m (328 ft.) length @ 20°C.
*PSACR & ACR not specified in ANSI/TIA 568-C.2

GenSPEED® 10,000 with 17 FREE™ CATEGORY 6a CROSS-SECTION



ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100 m (328 ft) @ 20°C	8.9
DC Resistance Unbalance (max) Individual Pair %	4.0
Delay Skew (max) ns/100 m	35
Nom. Velocity of Propagation % Speed of Light	70
Characteristic Impedance Frequency (f): 1-500 MHz	Ohms 100 ± 15



Going Green with General Cable

General Cable has accelerated its environmental commitment, addressing its green alternative approach by identifying greener opportunities and promoting green cabling solutions wherever feasible. This includes promoting our existing green products, partnering with key customers in their green endeavors, identifying and providing resources for green product gaps, becoming a member of the U.S. Green Building Council (USGBC) and participating in collaborative ventures such as the Green Suppliers Network (GSN).