GenSPEED® 5000 Category 5e Screened Cable

Features And Benefits
- Foil shield reduces electromagnetic interference (EMI) for optimal performance
- TRU-Mark® print legend contains footage markings from 1000' to 0'

Applications
- 1000 BASE-T (Gigabit Ethernet)
- E52/155 Mbps ATM
- E100/10 BASE-T (IEEE 802.3)
- 4/16 Mbps Token Ring (IEEE 802.5)
- T1
- Voice

Standard Compliances
- ANSI/TIA/EIA 568 B (Category 5e)
- ANSI/ICEA S-90-661 (Category 5e)
- NEC/CEC Type CMP for Plenum
- NEC/CEC Type CMR for Non-Plenum
- RoHS Compliant Directive 2002/95/EC

LISTED

TIA/EIA 568B

RoHS Compliant Directive 2002/95/EC

CONSTRUCTION

Conductors
- 24 AWG solid bare annealed copper

Insulation
- Plenum: Fluoropolymer
- Non-Plenum: Polyolefin

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

Core Tape
- Polyester

Drain Wire
- 24 AWG stranded (7/32) solid tinned copper

Shield
- Polyester-backed aluminum foil (aluminum side in)

Jacket
- Flame-Retardant PVC

PHYSICAL DATA

	CMR (Non-Plenum)	CMP (Plenum)
Nominal Cable Diameter (in)	0.250	0.225
Nominal Cable Weight (lbs/1000ft)	36	32
Minimum Bend Radius (in)	1.0	1.0
Maximum Pulling Force (lbs)	25	25
Temperature Rating (°C)		
Installation:	0 to +60	0 to +60
Operation:	-20 to +75	-20 to +75

PART NUMBERS

Standard packaging: 1000' Spool

	Spool	
Jacket Color	CMR (Non-Plenum)	CMP (Plenum)
Blue	**2133496E**	**2131611E**
White	**2133774E**	**2131778E**
Yellow	**2133777E**	**2131777E**
Gray	**2133495E**	**2131673E**
Red	**2133778E**	**2131774E**
Orange	**2133776E**	**2131776E**
Green	**2133775E**	**2131775E**
Black	**2133779E**	**2131779E**

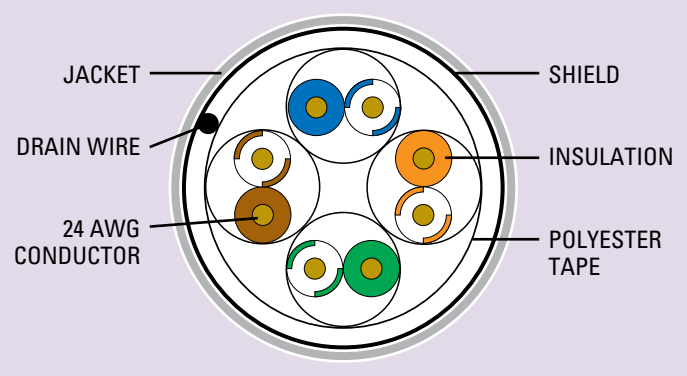
Data subject to change without notice.

ELECTRICAL PERFORMANCE

Frequency MHz	PSACR (min)	ACR (min)	Attenuation (max)	PSNEXT (min)	NEXT (min)	PSELFEXT (min)	ELFEXT (min)	Return Loss (min)
1	60.3	63.3	2.0	62.3	65.3	60.8	63.8	20.0
4	49.2	52.2	4.1	53.3	56.3	48.8	51.8	23.0
10	40.8	43.8	6.5	47.3	50.3	40.8	43.8	25.0
16	36.0	39.0	8.2	44.2	47.2	36.7	39.7	25.0
20	33.5	36.5	9.3	42.8	45.8	34.8	37.8	25.0
25	30.9	33.9	10.4	41.3	44.3	32.8	35.8	24.3
31.25	28.2	31.2	11.7	39.9	42.9	30.9	33.9	23.6
62.5	18.4	21.4	17.0	35.4	38.4	24.9	27.9	21.5
100	10.3	13.3	22.0	32.3	35.3	20.8	23.8	20.1
155	1.4	4.4	28.1	29.4	32.4	17.0	20.0	—
200	—	—	32.4	27.8	30.8	14.8	17.8	—
250	—	—	36.9	26.3	29.3	12.8	15.8	—
300	—	—	41.0	25.1	28.1	11.3	14.3	—
350	—	—	44.9	24.1	27.1	9.9	12.9	—

Note: Values are expressed in dB per 100m (328 ft.) length. Values above 100 MHz are for information only.

GenSPEED® 5000 CATEGORY 5e SCREENED CROSS-SECTION



ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100m (328ft) @ 20˚C	9.38
Mutual Capacitance (nom) pF/ft @ 1 KHz	14
Delay Skew (max) ns/100m	45
Propagation Delay (max) ns @ 100 MHz	538
Nom. Velocity of Propagation (NVP) % Speed of Light	CMP: 72 CMR: 70
Characteristic Impedance Frequency (f): 1-100 MHz	Ohms 100 ± 15

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