

Features and Benefits

- Supports 1080p HD Video, 1920 x 1200 WUXGA computer, HD 7.1 multichannel audio and Ethernet control signals
- Foil Shield reduces electromagnetic interference (EMI) for optimal performance
- Tested to 350 MHz
- Tru-Mark® print legend contains footage marking from 1000' to 0'
- Third party verified for guaranteed performance
- Made in U.S.A.

Applications

- 1000 BASE-T (Gigabit Ethernet)
- E52/155 Mbps ATM
- E100/10 BASE-T (IEEE 802.3)
- IEEE 802.3af DTE Power (PoE)
- IEEE 802.3at for PoE Plus
- T1
- Voice

Standard Compliances

- ANSI/TIA 568-C.2
- ANSI/TIA 862 (Building Automation)
- ISO/IEC 11801 Ed. 2.0 (Class D)
- ICEA S-90-661 (Category 5e)
- NEC/CEC Type CMR (UL 1666)
- NEC/CEC Type CMP (NFPA 262)
- RoHS Compliant Directive 2002/95/EC
- UL 444



CT504/SDM Multimedia Cat 5e Cable for use with Crestron® Systems

features extended bandwidth and precision tolerances to meet or exceed the latest TIA and ISO standards. Designed to deliver reliability in leading-edge networking, data and video applications, every reel is ETL verified and UL listed to ensure consistent performance. CT504/SDM Multimedia Cable is available in plenum and riser constructions.



CONSTRUCTION

Conductors

- 4 Twisted Pairs of 24 AWG Solid Bare Annealed Copper

Insulation

- Non-Plenum: Polyolefin
- Plenum: Fluoropolymer

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

- 26 AWG Stranded Solid Tinned Copper

Shield

- Polyester-Backed Aluminum Foil (Aluminum Side In)

Jacket




- Non-Plenum: Flame-Retardant PVC
- Plenum: Low-Smoke, 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

Jacket Color	CMR (Non-Plenum)	CMP (Plenum)
 Blue	CT504/SDM-07	CT504/SDMP-07
 White	CT504/SDM-02	CT504/SDMP-02
 Black	CT504/SDM-01	CT504/SDMP-01

Non-stock items may be subject to minimum order quantities

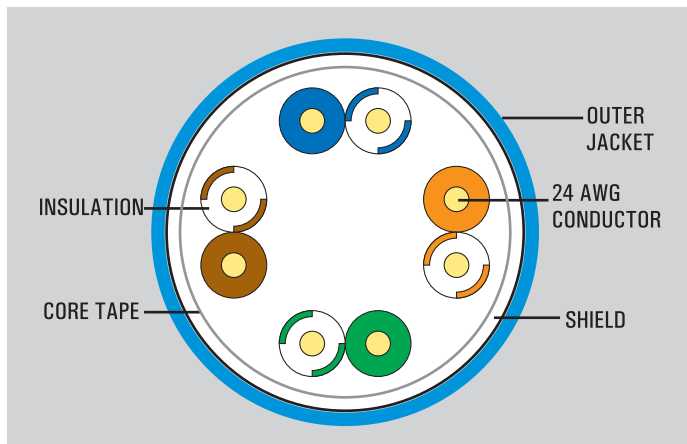
Data subject to change without notice.

ELECTRICAL PERFORMANCE

Frequency MHz	PSACR* (min)	ACR* (min)	Insertion Loss (max)	PSNEXT (min)	NEXT (min)	PSACRF (min)	ACRF (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	28.3	11.3	14.3	—
350	—	—	44.9	24.1	27.1	9.9	12.9	—

Note: Values are expressed in dB per 100 m (328 ft.) length. Results beyond 100 MHz for reference only.
 *PSACR & ACR not specified in ANSI/TIA 568-C.2

MULTIMEDIA SHIELDED CAT 5e CABLE CROSS-SECTION



ELECTRICAL CHARACTERISTICS

DC Resistance (max) Ohms/100m (328ft) @ 20 °C	8.9
DC Resistance Unbalance (max) Individual Pair %	3
Mutual Capacitance (max) pF/ft @ 1 KHz	17
Delay Skew (max) ns/100m	45
Nom. Velocity of Propagation (NVP) % Speed of Light	CMP: 72 CMR: 70
Characteristic Impedance Frequency (f): 1-350 MHz	Ohms 100 ± 15