

NETWORK

Multimedia Cat 5e Cable for Use with Crestron® Systems



The Gepco® Brand CT504/SDM Multimedia Cat 5e Cable for use with Crestron® Systems features extended bandwidth and precision tolerances to meet or exceed the latest ANSI/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, while the TRU-Mark® Marking System sequentially marks every two feet of cable in descending order. CT504/SDM Multimedia Cable is available in plenum and riser constructions.

Features & Benefits

Supports 1080p HD Video, 1920 x 1200 WUXGA Computer, HD 7.1 Multi-Channel Audio and Ethernet Control Signals

Foil Shield Reduces Electromagnetic Interference (EMI) for Optimal Performance

Tested to 350 MHz

TRU-Mark® Print Legend with Sequential Footage

Third Party Verified for Guaranteed Performance

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

Mechanical Specifications

Part #	# of Pairs	Nominal OD	Cond.	Insulation	Pair Color Code	Core Tape	Shield	Drain Wire	Jacket	Min. Bend Radius	Max. Pulling Force	UL Type	Weight
CT504/SDM	4	0.250" (6.35 mm)	24 AWG Solid BC	Polyolefin	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown	Polyester	Polyester-Backed Aluminum Foil (Aluminum Side In)	26 AWG Stranded TC	PVC, Black, White, Blue	1.0"	25 lbs	CMR	36 lbs/Mft (63 kg/km)
Multimedia Category 5e Cable for Use with Crestron® Systems													
CT504/SDMP	4	0.225" (5.72 mm)	24 AWG Solid BC	Fluoropolymer	Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown	Polyester	Polyester-Backed Aluminum Foil (Aluminum Side In)	26 AWG Stranded TC	Plenum PVC, Black, White, Blue	1.0"	25 lbs	CMP	32 lbs/Mft (69 kg/km)
Multimedia Category 5e Cable for Use with Crestron® Systems: Plenum													

Electrical Specifications

Part #	DCR Max @ 20°C	DCR Unbal. Max	Char. Imped.	Prop. Delay (Skew) Max	Vel. of Prop. (Plenum, Non-Plenum)	Temp. Rating (Installation, Operating)	Standards										
CT504/SDM Series	8.9 Ω/100 m (328 ft)	3.0%	100 Ω (+/-15)	45 ns/100 m	72%, 70%	0°C to +60°C, -20°C to +75°C	ANSI/TIA 568-C.2, ANSI/TIA 862 (Building Automation), ISO/IEC 11801 Ed. 2.0 (Class D), ICEA S-90-661 (Category 5e)										
	Freq. (MHz)			1	4	10	16	20	25	31.25	62.5	100	155	200	250	300	350
	PSACR* (dB/100 m) (min)			60.3	49.2	40.8	36.0	33.5	30.9	28.2	18.4	10.3	1.4	—	—	—	—
	ACR* (dB/100 m) (min)			63.3	52.2	43.8	39.0	36.5	33.9	31.2	21.4	13.3	4.4	—	—	—	—
	Insertion Loss (dB/100 m) (max)			2.0	4.1	6.5	8.2	9.3	10.4	11.7	17.0	22.0	28.0	32.4	36.9	41.0	44.9
	PSNEXT (dB/100 m) (min)			62.3	53.3	47.3	44.2	42.8	41.3	39.9	35.4	32.3	29.4	27.8	26.3	25.1	24.1
	NEXT (dB/100 m) (min)			65.3	56.3	50.3	47.2	45.8	44.3	42.9	38.4	35.3	32.4	30.8	29.3	28.3	27.1
	PSACRF (dB/100 m) (min)			60.8	48.8	40.8	36.7	34.8	32.8	30.9	24.9	20.8	17.0	14.8	12.8	11.3	9.9
	ACRF (dB/100 m) (min)			63.8	51.8	43.8	39.7	37.8	35.8	33.9	27.9	23.8	20.0	17.8	15.8	14.3	12.9
	Return Loss (dB) (min)			20.0	23.0	25.0	25.0	25.0	24.3	23.6	21.5	20.1	—	—	—	—	—

Note: Results beyond 100 MHz for reference only.
*PSACR & ACR not specified in ANSI/TIA 568-C.2

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