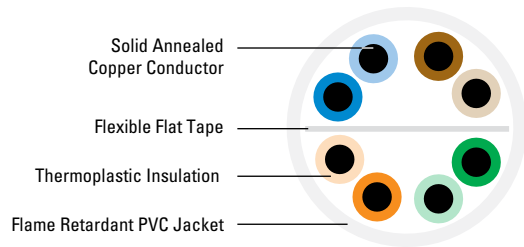


Electrical Specifications												
Frequency MHz	Insertion Loss (dB/100m) @ 20°C Maximum			NEXT (dB/100m) Minimum			ACR (dB/100m) Minimum			PS-NEXT (dB/100m) Minimum		
	TIA 568-B.2-1	Superior Essex		TIA 568-B.2-1	Superior Essex		TIA 568-B.2-1	Superior Essex		TIA 568-B.2-1	Superior Essex	
	Specified	Guaranteed	Typical	Specified	Guaranteed	Typical	Calculated	Guaranteed	Typical	Specified	Guaranteed	Typical
1	2.0	2.0	1.7	74.3	77.3	87.6	72.3	75.3	85.9	72.3	75.3	85.2
4	3.8	3.8	3.4	65.3	68.3	77.9	61.5	64.5	74.5	63.3	66.3	75.6
10	6.0	5.9	5.4	59.3	62.3	71.4	53.3	56.4	66.0	57.3	60.3	69.1
16	7.6	7.5	6.9	56.3	59.2	68.4	48.6	51.7	61.5	54.2	57.2	66.1
20	8.5	8.4	7.8	54.8	57.8	67.1	46.3	49.4	59.4	52.8	55.8	64.8
25	9.5	9.4	8.7	53.3	56.3	65.4	43.8	46.9	56.7	51.3	54.3	63.1
31.25	10.7	10.6	9.8	51.9	54.9	64.2	41.2	44.3	54.3	49.9	52.9	61.8
62.5	15.4	15.3	14.1	47.4	50.4	59.5	32.0	35.1	45.4	45.4	48.4	57.3
100	19.8	19.7	18.1	44.3	47.3	56.7	24.5	27.6	38.5	42.3	45.3	54.3
200	29.0	28.8	26.4	39.8	42.8	51.5	10.8	14.0	25.3	37.8	40.8	49.3
250	32.8	32.6	29.8	38.3	41.3	50.5	5.5	8.7	20.5	36.3	39.3	47.8
300		36.2	33.0		37.1	48.2		0.7	15.2		35.1	45.7
400		42.7	38.9		35.3	45.2			6.2		33.3	42.6
500			44.2			42.4						40.0
550			47.2			41.0						39.1

Frequency MHz	PS-ACR (dB/100m) Minimum			Return Loss (dB/100m) Minimum			ELFEXT (ACRF) (dB/100m) Minimum			PS-ELFEXT (PSACRF) (dB/100m) Minimum		
	TIA 568-B.2-1	Superior Essex		TIA 568-B.2-1	Superior Essex		TIA 568-B.2-1	Superior Essex		TIA 568-B.2-1	Superior Essex	
	Calculated	Guaranteed	Typical	Specified	Guaranteed	Typical	Specified	Guaranteed	Typical	Specified	Guaranteed	Typical
1	70.3	73.3	83.6	20.0	20.2	27.5	67.8	70.7	80.6	64.8	68.3	78.6
4	59.5	62.5	72.3	23.0	23.2	32.8	55.8	58.7	68.7	52.8	56.3	66.8
10	51.3	54.5	63.7	25.0	25.5	35.1	47.8	50.7	60.9	44.8	48.3	58.9
16	46.6	49.7	59.3	25.0	25.5	35.2	43.7	46.6	56.9	40.7	44.2	54.9
20	44.3	47.4	57.2	25.0	25.5	34.9	41.8	44.7	55.0	38.8	42.3	52.9
25	41.8	44.9	54.5	24.3	24.8	35.0	39.8	42.7	53.2	36.8	40.3	51.0
31.25	39.2	42.3	52.2	23.6	24.1	34.7	37.9	40.8	51.3	34.9	38.4	49.1
62.5	30.0	33.1	43.3	21.5	22.0	32.2	31.9	34.8	45.5	28.9	32.4	43.2
100	22.5	25.6	36.5	20.1	20.6	31.2	27.8	30.7	41.6	24.8	28.3	39.3
200	8.8	12.0	23.2	18.0	18.5	29.2	21.8	24.7	35.7	18.8	22.3	33.4
250	3.5	6.7	18.4	17.3	17.8	29.1	19.8	22.7	33.7	16.8	20.3	31.4
300			13.1		16.8	27.4		18.3	32.0		15.3	29.7
400			4.2		15.9	26.0		15.8	29.2		12.8	26.8
500						24.5			26.2			23.9
550						23.6			24.6			22.5

DataGain® Category 6+ CMR/CMP



Product Description

DataGain® cable provides the best value in Category 6 cables on the market today. The innovative design, which utilizes a flexible center flat tape, yields exceptional performance that exceeds TIA/EIA Category 6 specifications. DataGain easily surpasses the performance of other cost-competitive Category 6 cables.

Applications

- 10BASE-T through 1000BASE-T Ethernet
- ATM and Token Ring

Features

- Guaranteed electrical performance to 400 MHz
- Guaranteed ACR of 27.6 dB at 100 MHz and 8.7 dB at 250 MHz
- Tested to 550 MHz
- QuickCount® marking system
- Color coded box labels
- Round Design with flexible center flat tape
- Warranted with numerous connectivity manufacturers
- ColorTip™ Circuit Identification System
- BrakeBox® payout control system

Benefits

- Greater assurance of exceptional overall channel performance at a great value
- “Future-proofs” the cable installation
- Assures ample bandwidth headroom
- Shows remaining feet of cable available
- Easily identifies jacket colors
- Reduces installation time
- Offers flexibility in selection of connectivity solutions
- Easily identifiable conductor mates even in low light environments
- Adjustable tension control on reel prevents overspin and entangling of cable

Specifications

Pair Count	4
Conductor	Solid annealed copper
AWG (mm)	23 (0.57)
Insulation	CMR: Thermoplastic CMP: FEP
Separator	Flexible flat tape
Jacket	CMR: Flame Retardant PVC CMP: Low Smoke PVC
Input Impedance (Ohms) - Guaranteed	100+/-15 @ 1-100 MHz 100+/-22 @ 100-250 MHz 100+/-32 @ 250-400 MHz
Nominal Velocity of Propagation (%)	CMR: 68 CMP: 71
Standards Compliance	UL 444 UL Listed CMP (NFPA 262) UL Listed CMR (UL 1666) ISO/IEC 11801 ANSI/TIA/EIA 568-B.2-1 UL Verified to Category 6 RoHS Compliant

Part Numbers and Physical Characteristics

Listing	Part Number ¹	Nominal Diameter in (mm)	Approx. Weight lbs/kft (kg/km)	Package	Packages Per Pallet
CMR	66-246-xA	0.22 (5.5)	23 (35)	1000' BrakeBox®	27
CMR	66-272-xA	0.22 (5.5)	23 (35)	1,000' Plywood Reel	16
CMR	66-240-xA	0.22 (5.5)	23 (35)	1000' POP™ Box	20
CMP	66-246-xB	0.22 (5.5)	24 (36)	1000' BrakeBox®	27
CMP	66-272-xB	0.22 (5.5)	24 (36)	1,000' Plywood Reel	16
CMP	66-240-xB	0.22 (5.5)	24 (36)	1000' POP™ Box	20

Jacket Colors

¹Replace "x" with:	Blue = 2	Gray = 3	White = 4	Green = 5	Yellow = 6	Purple = 7	Red = 9	Pink = C	Orange = D
--------------------------------------	----------	----------	-----------	-----------	------------	------------	---------	----------	------------