Standard or Hi-Density D-Sub configurations

Online Video

L-com.com/Videos/A13

CSM9MF

CSM15MF

CSM25MF

CSM37MF

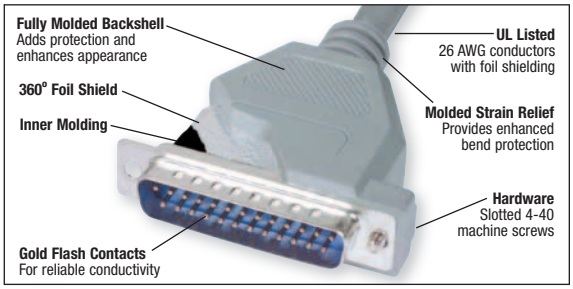
TS-CSM

Item #	Description	1-9	10-24	25-99	100+

Economy D-Sub Cable Assemblies - Fully Populated with 4-40 Hardware

The CSM Series of D-Sub cable assemblies offer solid performance at economical prices. All assemblies utilize 26 AWG stranded conductors with foil shielding for flexibility and performance. Backshells are fully molded for reliability in environments where flexing is an issue. Mating hardware is 4-40 machine screws. Hex nuts on female connectors are removable to expose 4-40 machine screws. Color: Gray.

- **More lengths available. Go to L-com.com**



Economy 9 Pin D-Sub Molded Cables - Common for Serial Connections, Shielded and Fully Populated

CSM9MM-1	Economy Molded Cable, DB9 Male/Male, 1.0ft (0.3m)	6.15	5.66	5.17	CALL
CSM9MM-2.5	Economy Molded Cable, DB9 Male/Male, 2.5ft (0.8m)	6.75	6.21	5.67	CALL
CSM9MM-5	Economy Molded Cable, DB9 Male/Male, 5.0ft (1.5m)	7.75	7.13	6.51	CALL
CSM9MM-10	Economy Molded Cable, DB9 Male/Male, 10.0ft (3.0m)	9.75	8.97	8.19	CALL
CSM9MM-25	Economy Molded Cable, DB9 Male/Male, 25.0ft (7.6m)	15.75	14.49	13.23	CALL
CSM9MF-1	Economy Molded Cable, DB9 Male/Female, 1.0ft (0.3m)	6.15	5.66	5.17	CALL
CSM9MF-2.5	Economy Molded Cable, DB9 Male/Female, 2.5ft (0.8m)	6.75	6.21	5.67	CALL
CSM9MF-5	Economy Molded Cable, DB9 Male/Female, 5.0ft (1.5m)	7.75	7.13	6.51	CALL
CSM9MF-10	Economy Molded Cable, DB9 Male/Female, 10.0ft (3.0m)	9.75	8.97	8.19	CALL
CSM9MF-15	Economy Molded Cable, DB9 Male/Female, 15.0ft (4.6m)	11.75	10.81	9.87	CALL
CSM9MF-25	Economy Molded Cable, DB9 Male/Female, 25.0ft (7.6m)	15.75	14.49	13.23	CALL
CSM9MF-50	Economy Molded Cable, DB9 Male/Female, 50.0ft (15.2m)	25.75	23.69	21.63	CALL

Economy 15 Pin D-Sub Molded Cables - For Various Applications, Shielded and Fully Populated

CSM15MM-1	Economy Molded Cable, DB15 Male/Male, 1.0ft (0.3m)	7.25	6.81	6.38	CALL
CSM15MM-2.5	Economy Molded Cable, DB15 Male/Male, 2.5ft (0.8m)	8.00	7.52	7.04	CALL
CSM15MM-5	Economy Molded Cable, DB15 Male/Male, 5.0ft (1.5m)	9.25	8.70	8.14	CALL
CSM15MM-10	Economy Molded Cable, DB15 Male/Male, 10.0ft (3.0m)	11.75	11.04	10.34	CALL
CSM15MM-25	Economy Molded Cable, DB15 Male/Male, 25.0ft (7.6m)	19.25	18.09	16.94	CALL
CSM15MF-1	Economy Molded Cable, DB15 Male/Female, 1.0ft (0.3m)	7.25	6.81	6.38	CALL
CSM15MF-2.5	Economy Molded Cable, DB15 Male/Female, 2.5ft (0.8m)	8.00	7.52	7.04	CALL
CSM15MF-5	Economy Molded Cable, DB15 Male/Female, 5.0ft (1.5m)	9.25	8.70	8.14	CALL
CSM15MF-10	Economy Molded Cable, DB15 Male/Female, 10.0ft (3.0m)	11.75	11.04	10.34	CALL
CSM15MF-15	Economy Molded Cable, DB15 Male/Female, 15.0ft (4.6m)	14.25	13.39	12.54	CALL
CSM15MF-50	Economy Molded Cable, DB15 Male/Female, 50.0ft (15.2m)	31.75	29.84	27.94	CALL

Economy 25 Pin D-Sub Molded Cables - Shielded and Fully Populated

CSM25MM-1	Economy Molded Cable, DB25 Male/Male, 1.0ft (0.3m)	7.60	7.14	6.69	CALL
CSM25MM-2.5	Economy Molded Cable, DB25 Male/Male, 2.5ft (0.8m)	8.50	7.99	7.48	CALL
CSM25MM-5	Economy Molded Cable, DB25 Male/Male, 5.0ft (1.5m)	10.00	9.40	8.80	CALL
CSM25MM-10	Economy Molded Cable, DB25 Male/Male, 10.0ft (3.0m)	14.00	13.16	12.32	CALL
CSM25MM-25	Economy Molded Cable, DB25 Male/Male, 25.0ft (7.6m)	25.00	23.50	22.00	CALL
CSM25MF-1	Economy Molded Cable, DB25 Male/Female, 1.0ft (0.3m)	7.60	7.14	6.69	CALL
CSM25MF-2.5	Economy Molded Cable, DB25 Male/Female, 2.5ft (0.8m)	8.50	7.99	7.48	CALL
CSM25MF-5	Economy Molded Cable, DB25 Male/Female, 5.0ft (1.5m)	10.00	9.40	8.80	CALL
CSM25MF-10	Economy Molded Cable, DB25 Male/Female, 10.0ft (3.0m)	14.00	13.16	12.32	CALL
CSM25MF-25	Economy Molded Cable, DB25 Male/Female, 25.0ft (7.6m)	25.00	23.50	22.00	CALL
CSM25MF-50	Economy Molded Cable, DB25 Male/Female, 50.0ft (15.2m)	40.00	37.60	35.20	CALL

Economy 37 Pin D-Sub Molded Cables - Shielded and Fully Populated

CSM37MM-1	Economy Molded Cable, DB37 Male/Male, 1.0ft (0.3m)	25.85	24.30	22.75	CALL
CSM37MM-2.5	Economy Molded Cable, DB37 Male/Male, 2.5ft (0.8m)	27.50	25.85	24.20	CALL
CSM37MM-5	Economy Molded Cable, DB37 Male/Male, 5.0ft (1.5m)	30.25	28.43	26.62	CALL
CSM37MM-10	Economy Molded Cable, DB37 Male/Male, 10.0ft (3.0m)	35.75	33.60	31.46	CALL
CSM37MF-1	Economy Molded Cable, DB37 Male/Female, 1.0ft (0.3m)	25.85	24.30	22.75	CALL
CSM37MF-2.5	Economy Molded Cable, DB37 Male/Female, 2.5ft (0.8m)	27.50	25.85	24.20	CALL
CSM37MF-5	Economy Molded Cable, DB37 Male/Female, 5.0ft (1.5m)	30.25	28.43	26.62	CALL
CSM37MF-10	Economy Molded Cable, DB37 Male/Female, 10.0ft (3.0m)	35.75	33.60	31.46	CALL
CSM37MF-25	Economy Molded Cable, DB37 Male/Female, 25.0ft (7.6m)	52.25	49.11	45.98	CALL

Replacement 4-40 Screws for CSM Series Assemblies - Sold in 10/Packs

TS-CSM	Replacement Screws for CSM Series Assemblies, Pkg/10	3.80	3.57	3.34	CALL

Tip

Copper wire current carrying capacity

Current carrying capacity is the maximum number of amperes (amps) that can flow through a conductor before it breaks down. Many factors determine actual current carrying capacity including conductor size, temperature, number of bundled conductors, air flow and insulation material and thickness. Therefore, this chart should only be used as a general guideline to determine actual performance.

Note: Figures based on 30°C ambient temperature
Units are measured in Amps
x = Current reduction factor
Reduction factors apply when conductors are bundled

INSULATION MATERIAL	WIRE SIZE						
	30 AWG	28 AWG	26 AWG	24 AWG	22 AWG	20 AWG	18 AWG
PVC - Standard Data Cables	2x	3x	4x	6x	8x	10x	15x
Polyethylene - Low Smoke, Zero Halogen Cable	3x	4x	5x	7x	9x	12x	17x
Halar - Plenum, High Temperature Data Cable	3x	5x	6x	8x	11x	14x	20x

# Bundled Conductors	Reduction Factor (x)
2-5	0.8
6-15	0.7
16-30	0.5

Example:
Q: What is the estimated current capacity for L-com data cable CSMN9MM-10?
A: The important factors are:
1) 26 AWG conductors, 2) PVC Insulation, 3) 9 Conductors.
The current rating is: [4x(x=0.7)] = 2.8 Amps per conductor.