

LOCAL AREA NETWORK

UL 2490, 2493, 2668, 30V, 60°C

UL CM 300V, 75°C

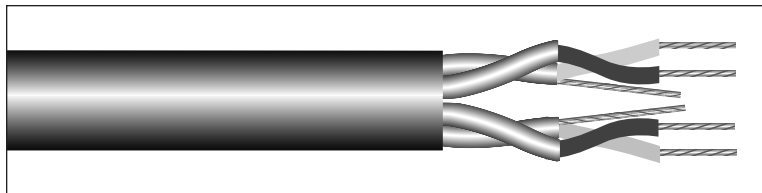
CSA CMG FT4

RoHS COMPLIANT

ALPHA-BYTE™ DATA CABLES

MULTIPAIR FOIL SHIELDED, CELLULAR PP/PVC

Alpha-Byte™ Low Capacitance Data Cables. As today's computer's become faster and more powerful, the need for cables with improved transmission characteristics becomes even more critical. In keeping pace with new computer technology, Alpha Wire has expanded its data cable line to include specialized cable for low capacitance, extended distance transmission. With its unique structure, the Alpha-Byte™ line enables cable pairs to exhibit a lower dielectric constant — a key electrical characteristic resulting in less loss, lower signal distortion and higher transmission speeds. Suitable for use with EIA RS-232C, RS-422, RS-423, RS-449 interfaces.



INDIVIDUALLY SHIELDED, UL 2490, 2493, TYPE CM

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.023" (0,58mm)

Alpha Part No.	No. of Pairs	Jacket Thickness Inches	Jacket Thickness mm	Diameter Inches	Diameter mm	UL Style No.
6073C	3	0.048	1,22	0.37	9,4	2493
6076C	6	0.048	1,22	0.48	12,2	2493
6079C	9	0.065	1,65	0.59	15,0	2493
6079/11C	11	0.065	1,65	0.64	16,2	2493
6079/12C	12	0.065	1,65	0.66	16,8	2493
6079/15C	15	0.065	1,65	0.72	18,3	2493
6079/27C	27	0.087	2,21	0.95	24,1	2490

ALPHA-BYTE™ APPLICATIONS:

- Precision Audio, Pulse or RF Signal Transmission Where Low Distortion and High Speed Data Rates are Required
- External Interconnection of Computer or Electronic Point-Of-Sale Equipment in Areas Where High Levels of Noise Interference are Anticipated

CHARACTERISTICS

OPERATING TEMPERATURE:

- -20°C to 60°C — AWM
- 75°C — CM

VOLTAGE RATING:

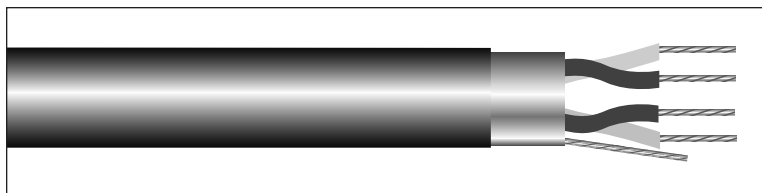
- 30 Volt — AWM
- 300 Volt — CM

COLOR DESCRIPTION:

- Color Code: Black/Yellow, Red/Blue
- Jacket Color: Gray
- *Part No. 6072C has a Black Jacket

PRODUCT DESCRIPTION:

- Conductor: Stranded or Solid Tinned Copper
- Insulation: Color-Coded Cellular Polypropylene (PP)
- Shield: Aluminum/Polyester, Foil Facing Inward
- Drain Wire: Stranded Tinned Copper
- Jacket: Premium PVC



OVERALL SHIELDED, UL 2668, TYPE CM

22 AWG (0,32mm²), Solid, Insulation Thickness: 0.023" (0,58mm)

Alpha Part No.	No. of Pairs	Jacket Thickness Inches	Jacket Thickness mm	Diameter Inches	Diameter mm	UL Style No.
6072C*	2	0.035	0,89	0.42	10,6	2668

SPECIFICATIONS

- UL Type CM, AWM 2490, 2493, 2668
CSA CMG FT4
- RoHS Compliant

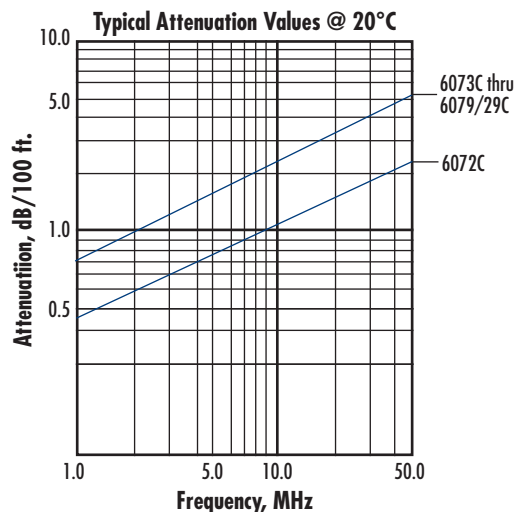


AVAILABILITY

- See Page 275 for available put-ups

TYPICAL ELECTRICAL CHARACTERISTICS

Alpha Part No.	Capacitance		Vp. %	Z ₀ @ 1 Mhz, Ohms
	cdr. to cdr. pF/ft (pF/m)	cdr. to (cdr. & shield) pF/ft (pFm)		
6072C	8.7 (28,5)	15,9 (52,2)	80	150
6073C thru 6079/27C	12.5 (41,0)	22.0 (72,5)	80	100



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