



Onshore, Offshore  
and Marine Shipboard  
Cables

# COMMODORE® Copper Communication Cables



**Low-Smoke, Zero-Halogen  
Category 5e UTP Cable,  
Armored & Sheathed**  
ABS Type Approved, ETL Confirmed



### Electrical Characteristics:

DC Resistance: 9.38  $\Omega$ /100m (28.6  $\Omega$ /Mft) Max.  
DCR Unbalanced: 5% Max.  
Mutual Capacitance: 55.8 pF/m (17 pF/ft) Max.  
Capacitance Unbalance: 330 pF/100m (1 pF/ft) Max.  
Characteristic Impedance: 100  $\Omega \pm 15 \Omega$  (1-100 MHz)  
Prop. Delay (Skew): 45 ns/100m Max.  
Velocity of Propagation: 69% nom.  
Temperature & Voltage Rating: -30°C to +75°C/300 V Max.

FREQ (MHz)	ATTENUATION (dB/100m)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	RL (dB)
	MAX.	MIN.	MIN.	MIN.	MIN.	MIN.
0.772	1.8	67.0	64.0	66.0	63.0	—
1	2.0	65.3	62.3	63.8	60.8	20.0
4	4.1	56.3	53.3	51.7	48.7	23.0
8	5.8	51.8	48.8	45.7	42.7	24.5
10	6.5	50.3	47.3	43.8	40.8	25.0
16	8.2	47.3	44.3	39.7	36.7	25.0
20	9.3	45.8	42.8	37.7	34.7	25.0
25	10.4	44.3	41.3	35.8	32.8	24.3
31.25	11.7	42.9	39.9	33.9	30.9	23.6
62.5	17.0	38.4	35.4	27.8	24.8	21.5
100	22.0	35.3	32.3	23.8	20.8	20.1

Catalog number: LO24P0045170X