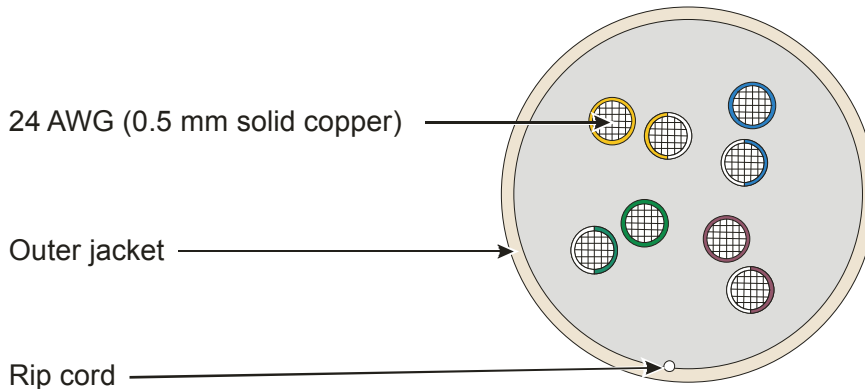


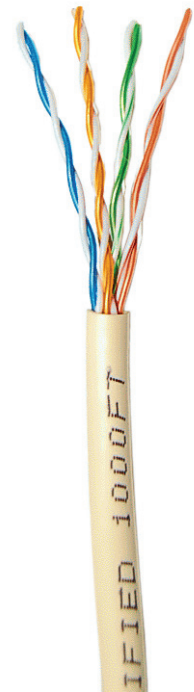
CA5E-CMRXO

Category 5e Indoor-Outdoor Cable



- CMR, CMX-Outdoor, UL444
- TIA/EIA 568-B.2
- ISO 11801
- UTP 4x24
- RoHS Compliant

Cable Construction	
Description	Material
1. Number of Pairs	4
2. AWG	24 (0.5mm)
3. Conductor	Solid - Bare Copper (BC)
4. Conductor Insulation Material	Polyolefin (PO)
5. Shield	Unshielded Twisted Pair (UTP)
6. Outer Jacket Material	Industrial Grade Polyvinyl Chloride (PVC)
7. Outer Jacket Ripcord	Yes, 200Dx3
8. Overall Nominal Diameter	0.230 inch (5.8mm)



Mechanical Specification			
Description	Unit	US	Metric
Minimum Bend Radius	in. - mm	0.5	12.7
Maximum Pulling Tension	lbs. - kg	35	15.8
Bulk Cable Weight/1000 feet (305 meters)	lbs. - kg.	24	10.8
Installation Temperature	F - C	- 4° to 167°	-20° to 75°
Operating Temperature	F - C	-40° to 167°	-40° to 75°



Compliance	
Description	Applicable Standard
NEC/(UL) Specification	CMR, CMX-Outdoor, UL444
CEC/C(UL) Specification	CMR
ISO/IEC Compliance	11801 Category 5e
ANSI/TIA Standards	568-B.2 Cat 5e
NEMA Compliance	NEMA WC-63.1 Category 5e
Cenelec prEN 50173	ETL Verified to Category 5e
UL Flame Test	UL1666 Riser
CSA Flame Test	FT4
IEEE Flame Test	IEEE 1202 per IEEE 383
Outdoor Qualified – UL	Yes
Sunlight (UV) Resistance - UL	Yes
Oil Resistance – UL	Yes

Electrical Characteristics		
Description	Unit	Value
Nom. Mutual Capacitance@ 1kHz	pF/foot	15
Maximum Capacitance Unbalance @ 20°C (68°F)	pF/100 meter	330
Nominal Velocity of Propagation	%	68
Maximum Delay	ns/100 meter	510@ 100 MHz
Maximum Conductor DC Resistance @ 20°C (68°F)	Ohms/100 Meter	9.38
Max. DCR Unbalance @ 20°C	%	3
Max. Operating Voltage / UL	V RMS	300

Electrical Performance						
Frequency (MHz)	Attenuation (dB/100m) Max	Return Loss (dB) Min	Next (dB) Min	Next (dB) Power Sum Min	ELFEXT (dB/100m) Min	ELFEXT (dB/100m) Power Sum Min
1.0	2.0	20.0	65.3	62.3	63.8	60.8
4.0	4.1	23.0	56.3	53.3	51.7	48.7
8.0	5.8	24.5	51.8	48.8	45.7	42.7
10.0	6.5	25.0	50.3	47.3	43.8	40.8
16.0	8.2	25.0	47.3	44.3	39.7	36.7
20.0	9.3	25.0	45.8	42.8	37.7	34.7
25.0	10.4	24.3	44.3	41.3	35.8	32.8
31.25	11.7	23.6	42.9	39.9	33.9	30.9
62.50	17.0	21.5	38.4	35.4	27.8	24.8
100.0	22.0	20.1	35.3	32.3	23.8	20.8
155.0	26.1	15.8	32.5	29.5	19.9	16.9
200.0	32.0	15.0	30.8	27.8	17.7	14.7

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