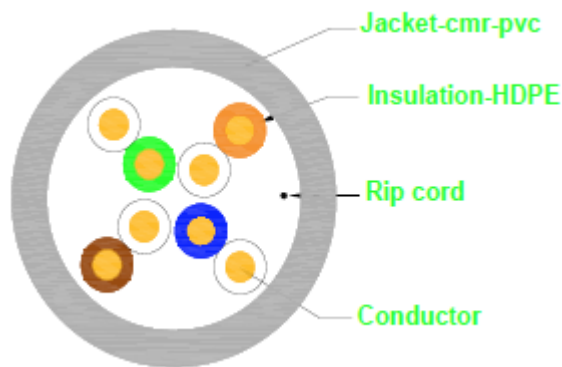


**24 AWG Indoor use High Performance Cable**

**Features:**

- ANSI/TIA 568-C.2
- NEC/CEC Type CMX Outdoor - CMR
- UL 444 Sunlight-Resistant
- UL 444
- RoHS Compliant Directive 2011/65/EU
- ANSI/TIA 862 (Building Automation)
- ICEA S-100-685
- ICEA S-102-700
- ISO/IEC 11801 Ed. 2.0 (Class E)
- Telcordia GR-3164
- Telcordia GR-3164 Severe Cold Impact



**Part Number T5eUTP-CMR-GY-CF**

**Physical Characteristics**

Number of Conductor Pairs	4
Size	24 AWG
Conductor Diameter	0.500 ± 0.01mm
Conductor Material	BC Copper
Shield Material	Unshielded
Rip Cord	Yes
Insulation Material	HDPE
Insulation Overall Diameter	0.900 ± 0.002mm
Insulation Average Thickness	0.195 ± 0.200mm
Jacket	PVC CMR & UV resistant
Outer Jacket Average Wall Thickness	0.52 ± 0.02mm
Outer Jacket Nom. O.D.	5.2 ± 0.2mm

*Sheath color as requested*

**Electrical Characteristics**

Maximum Conductor DC Resistance @ 20°C	≤9.5 Ω /100 Meters
Maximum DC Resistance Unbalanced @ 20°C	≤2.5%
Maximum Pair-to-Pair Ground Capacitance Unbalance	≤330 pF / 100 Meters
Characteristic Impedance (1 ~ 100 MHz)	100 ± 15Ω
Mutual Capacitance	≤5.6 nF /100 Meters
Maximum Delay Skew	≤45 nS / 100 Meters

**Mechanical Characteristics**

<b>Temperature Rating</b>	
Installation	-25°C to + 75°C
Operational	-40°C to + 75°C
Storage Temperature Range	-40°C to + 75°C
Tensile Strength of Insulation	> = 16 Mpa
Elongation of Insulation	> = 300%
Sheath Tensile Strength	> = 13.5%
Sheath Elongation at Break	< = 150%
Insulation Resistance	> = 5000M Ω/KM

**Color Code**

Pair 1	White / Blue	Blue
Pair 2	White / Orange	Orange
Pair 3	White / Green	Green
Pair 4	White / Brown	Brown

**Cable Marking**

According to customer needs

**Packing**

Packing length 1000 feet/box (305 m) as requested

Electrical Performance				
Frequency	Attenuation	Return loss	NEXT	PS-NEXT
(MHz)	(dB/100m Max.)	(dB Min.)	(dB Min.)	(dB Min.)
1	2.04	20.00	65.30	62.3
4	4.05	23.01	56.27	53.3
10	6.47	25.00	50.30	47.3
16	8.25	25.00	47.24	44.3
20	9.27	25.00	45.78	42.8
25	10.42	24.32	44.33	41.3
31.25	11.72	23.64	42.88	39.9
62.5	16.99	21.54	38.36	35.4
100	21.98	20.11	35.30	32.3

Frequency	ELFEXT	PS-ELFEXT	Delay	ACR
(MHz)	(dB/100m Min.)	(dB/100m Min.)	(ns/100m Max.)	(dB)
1	64.00	61.00	570.00	63.26
4	51.96	48.96	552.00	52.22
10	44.00	41.00	545.38	43.83
16	39.92	36.92	543.00	38.99
20	37.98	34.98	542.05	36.52
25	36.04	33.04	541.20	33.91
31.25	34.10	31.10	540.44	31.16
62.5	28.08	25.08	538.55	21.37
100	24.00	21.00	537.60	13.33