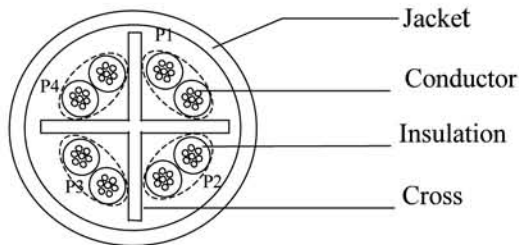


SPEC No:	UTP 24AWG 4PR STRANDED CAT.6						
Customer		Customer NO.		Date:		Sample NO:	
UL File NO.	E151955	UL Style:	UL+CM	Edition:	Original Edition	Spec NO.	SU6-7205
CSA FILE NO.	LL79189	CSA Style:	FT4				
Construction Item			Construction ItemA				
Conductors	Construction	AWG	24# (7/32)				
	Material	--	Bare Copper				
	Filler Material	--	--				
	O.D.	mm	0.205+/-0.003				
Insulators	Material	--	HD-PE				
	Diameter	mm	1.02+/-0.03				
	Average Thickness	mm	0.20+/-0.02				
Cross	Material	--	HDPE				
Assembly	Diameter	mm	5.6Ref				
Shielding	AL/PET Tape	mm	/				
	Overlapping Rate	%	/				
	Drain Wire	mm	/				
	Braid		/				
Outside Jacket	Material	--	PVC(50)				
	Diameter	mm	6.1+/-0.2				
	Average Thickness	mm	0.458 Above				
	Color	--	GY126				
	Marking Color	--	Spray Blue Font				
Marking	Marking NO.		TYPE CM 24AWG 4PR 75°C (UL) E151955 CSA LL79189 CMG ETL VERIFIED TIA/EIA-568-B.2-1 CAT.6 UTP 550MHz				

Structural picture:



**COLOR CODE**

- P1. BLUE\* WHITE/BLUE
- P2. ORANGE\* WHITE/ORANGE
- P3. GREEN\* WHITE/GREEN
- P4. BROWN\* WHITE/BROWN

SPEC No:	UTP 24AWG 4PR STRANDED CAT.6						
Customer		Customer NO.		Date:		Sample NO:	
UL File NO.	E151955	UL Style:	UL+CM	Edition:	Original Edition	Spec NO.	SU6-7205
CSA FILE NO.	LL79189	CSA Style:	FT4				

**Electric Characters**

1. Temperature rating: 75°C
2. Spark test: AC-2000V/0.15sec MIN.
3. Dielectric strength: AC-750V/1sec MIN.
4. Insulation resistance: PE: DC-500V 1500MO/100M MIN.at20°C
5. Capacitance:
  - 5.1. Mutual capacitance: 5.6nF/100,MAX
  - 5.2. Pair to ground Unbalance: 330pF/100M,MAX
6. D-C Resistance: 8.76 ohm/100M at 20°C MAX.
7. D-C Resistance Unbalance: 5%,MAX.
8. Impedance: 100±15Ω.

Frequency (MHZ)	1	4	10	16	20	31.25	62.5	100	350	400	500
Attenuation.(dB/100m)	2.4	4.6	7.2	9.1	10.2	12.8	18.5	23.8	47.8	51.6	58.6
NEXT(Pair-Pair)(dB)	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	36.1	35.3	33.8
PS.NEXT(Power Sum)(dB)	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	34.1	33.3	31.8
ELFEXT(Pair-Pair)(dB)	67.8	55.76	47.8	43.72	41.78	37.9	31.88	27.8	16.9	15.76	13.82
PS.ELFEXT(Power Sum)(dB)	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	13.9	12.8	10.8
Return Loss (Term)Near(dB)	23	23	25	25	25	23.64	21.53	20.1	12.3	11.9	9.2

**Physical Characters**

1. Flame test of cable:
  - 1.1 Sheath: UL Fire testing of CM,FT4
2. Tensile Strength test are before aging:
  - 2.1 Sheath: >1.4 kg/mm<sup>2</sup>
  - 2.2 Insulation: >1.68 kg/mm<sup>2</sup>
3. Tensile strength test are after aging:
  - 3.1 Sheath: >85% Tensile strength before aging
  - 3.2 Insulation: >75% Tensile strength before aging
4. Elongation before aging:
  - 4.1 Sheath: >100%
  - 4.2 Insulation: >300%
5. Elongation after aging:
  - 5.1 Sheath: >50% Elongation before aging
  - 5.2 Insulation: >75% Elongation before aging
6. Requirements for green environment protection: --- ---

Approve		Auditing		Producer	Anna
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