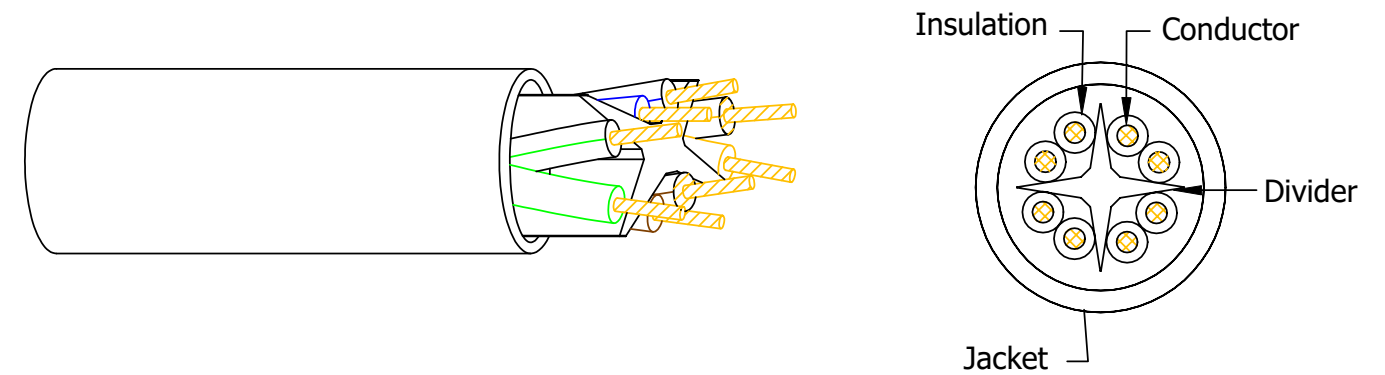


### 1.) Structure:

Item		Specification
Conductor	Material	Bare Copper
	Construction	7C / 0.2mm
	Diameter	0.2 ± 0.005mm
Insulation	Material	HDPE
	Average Thickness	0.17mm
	Diameter	0.95 ± 0.05mm
Twisted		Refer to structure figure
Divider	Material	HDPE
Jacket	Material	45P FR-PVC
	Average Thickness	0.5 ± 0.05mm
	Diameter	6.0 ± 0.2mm



### 2.) Wire construction

Pair	Wire Arrangement	Twist Pitch
1P	Blue / Blue + White	15.3mm
2P	Orange / Orange + White	11.2mm
3P	Green / Green + White	13.7mm
4P	Brown / Brown + White	9.8mm

### 4.) Marking:

(UL) C(UL) CM 75°C UTP 4PR 24AWG COPPER- ETL CM FT4  
 VERIFIED TO TIA/EIA -568C.2 CAT.6

### 3.) Characteristic:

1. Electrical properties: Refer to TIA/EIA-568C.2
2. Physical properties
  - (1.) Insulation: Tensile strength: 3000psi:  
(unaged) Elongation: 400%
  - (2.) Jacket: Tensile strength: 2100psi:  
(unaged) Elongation: 200%
  - (3.) Flame Test: VW-1
3. Conductor Resistance:
  - 73.2 OHM/km at 20°C Max
  - Spark Test: 1750V AC
  - Dielectric Strength: 1500V AC.2S
4. Center degree: ≥93%


**RoHS**

Part #	Color	Length
CP-C6-ST-1K-XX (XX = Color)		
CP-C6-ST-1K-BL	Blue	1000ft
CP-C6-ST-1K-GN	Green	1000ft
CP-C6-ST-1K-GY	Grey	1000ft
CP-C6-ST-1K-RD	Red	1000ft
CP-C6-ST-1K-WH	White	1000ft

Part #	Title
CP-C6-ST-1K-XX (XX = Color)	1000ft Bare Copper Cat6 Bulk Cable, Stranded Wire

Unit	mm
 <b>PI Manufacturing Corp.</b>	