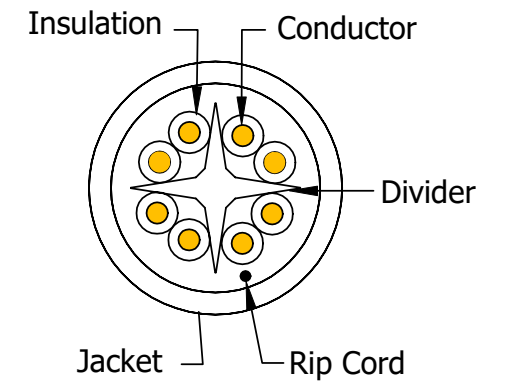


### 1.) Structure:

Item		Specification
Conductor	Material	Bare Copper
	Construction	1C / 0.58mm
	Diameter	0.58 ± 0.005mm
Insulation	Material	HDPE
	Average Thickness	0.21mm
	Diameter	1.0 ± 0.02mm
Twisted		Refer to structure figure
Divider	Material	HDPE
Rip Cord		Nylon rope
Jacket	Material	45P LS-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	13mm
2P	Orange / Orange + White	11.5mm
3P	Green / Green + White	14mm
4P	Brown / Brown + White	11mm


### 3.) Characteristic:

1. Electrical properties: Refer to TIA/EIA-568B.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%

### 4.) Marking:

(UL) C(UL) CM 75°C UTP 4PR 23AWG -ETL CMR FT4  
VERIFIED TO TIA/EIA -568C.2 CAT.6



Part #	CP-C6-SD-1K-XX (XX = Color)	Part #	Color	Length
Title	1000ft Bare Copper 23AWG CMR Cat6 Bulk Cable, Solid Wire	CP-C6-SD-1K-BL	Blue	1000ft
		CP-C6-SD-1K-GY	Grey	1000ft
		CP-C6-SD-1K-WH	White	1000ft
Unit	 <b>PI Manufacturing Corp.</b>			
mm				