

## 1. Structure:

Item	Specification	
Conductor	Cond. Diam.	0.455mm
	Construction	Solid Copper
Insulation	Material	HD-PE
	Average Thickness	0.22 mm
	Diameter	0.92 mm
Twisted	Refer to structure figure	
Rip Cord		
Jacket	Material	45P UL PVC
	Average Thickness	0.5 mm
	Diameter	5.44 ± 0.2mm Gray

## 2. Wire Construction:

Pair	Wire Arrangement	Diameter
1P	Blue / Blue * White	0,48 / 0,48 (mm)
2P	Orange / Orange * White	0,48 / 0,48 (mm)
3P	Green / Green * White	0,48/ 0,48 (mm)
4P	Brown / Brown * White	0,48/ 0,48 (mm)

## 3. Characteristic:

1. Electrical Properties	Refer to TIA/EIA-568B.2	
2. Physical Properties		
	(1) Insulation:	Tensile strength: 2400 psi
	(unaged)	Elongation: 300%
	(2) Jacket:	Tensile strength: 2000 psi
	(unaged)	Elongation: 100%
	(3) Flame:	VW-1
3. Conductor Resistance		
	93.8 OHM/KM at 20° C Max	
Spark Test:	1750 V AC	
Dielectric Strength:	1500 V AC. 2S	
4. Center Degree:	93%	

## 4. Marking

Connection Cabling Solutions, UTP 4PR  
 ETL FT4 VERIFIED TO TIA / EIA-568B.2 & ISO/IEC 11801  
 ENHANCED CAT 5E



## 5. Packing



### ORDER INFORMATION

CUP-5114	CAT-5E Cable UTP, 100MHz, Par 4-Balanced Tested 1000FT, GRAY