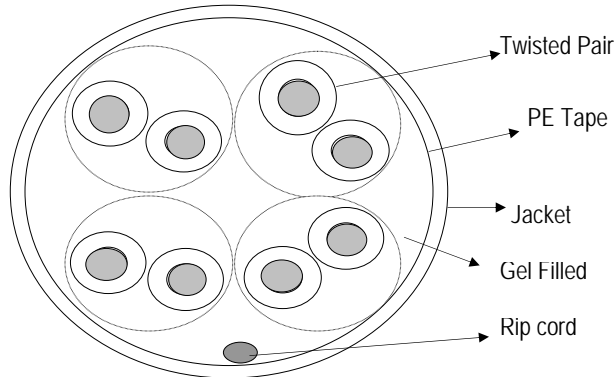


## 4PAIR 24AWG CAT.5E 350MHz. OUTDOOR RATED UTP CABLE

### Cross Section



### Marking

4PR 24AWG UTP 75 (UL) CMR - CAT5E Enhanced 350 MHz LLDPE  
-Meter marking (Feet marking) Commodity Cables

### Description

Rated Temperature( ) 75  
Product Rating UL

#### Application

Horizontal Wiring in LAN

#### Reference Standard

EIA/TIA568 & ISO/IEC11801

### Construction

<b>Conductor</b>	<i>Solid Bare Copper</i>
AWG	24
Conductor Dia.(mm)	0.515
<b>Insulation</b>	<i>PE</i>
Average Thickness(mm)	0.228
Min.Point Thickness(mm)	0.205
Insulation Dia.(±0.02mm)	0.97
Twisted Pair Diameter (± 0.02mm)	1.94
<b>Assembly</b>	4.80
Gel Filled	
PE Tape	
<b>Jacket (CM, CMR is optional)</b>	<i>LLDPE</i>
Average Thickness(mm)	0.8
Min.Point Thickness(mm)	0.72
Outer Dia.(±0.2mm)	6.5
Rip Cord	Per request

### Color

#### Insulation colors are:

- Blue, White/Blue
- Orange, White/Orange
- Green, White/Green
- Brown, White/Brown

#### Jacket colors:

- Standard Black
- Special Per customer request

### Standard Packaging



1000 ft. Wooden Reel  
Weight: 28 lbs.

### Part No.: 5EOUT244RB

### Performance

#### Electrical Characteristics:

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
0.772	19.4	1.8	67.0	67.7
1	20.0	2.0	65.3	67.3
4	23.0	4.1	56.3	56.2
8	24.5	5.8	51.8	50.0
10	25.0	6.5	50.3	47.8
16	25.0	8.2	47.3	44.0
20	25.0	9.3	45.8	41.5
25	24.3	10.4	44.3	38.9
31.25	23.6	11.7	42.9	36.2
62.5	21.5	17.0	38.4	27.4
100	20.1	22.0	35.3	19.3
350	16.3	44.9	27.2	

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
0.772	64.0	66.0	63.0	575.0
1	62.3	63.8	60.8	570.0
4	53.3	51.7	48.7	552.0
8	48.8	45.7	42.7	546.7
10	47.3	43.8	40.8	545.4
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
25	41.3	35.8	32.8	541.2
31.25	39.9	33.9	30.9	540.4
62.5	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.6
350	24.2	12.9	9.9	535.9

1.0-100.0MHz impedance(ohms)	100±15
100-200MHz impedance(ohms)	100±25
200-350MHz impedance(ohms)	100±35
1.0-350.0MHz Delay Skew(ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance(Pf/100m)	<=330
Max. Conductor DC Resistance 20 (ohms/km)	93.8
Resistance Unbalance(%)	<=5

#### Mechanical Characteristics:

#### Test Object

Test Material	Jacket LLDPE
Before Tensile Strength(Mpa)	>=13.8
Aging Elongation (%)	>=200
Aging Condition(x hrs)	100x240