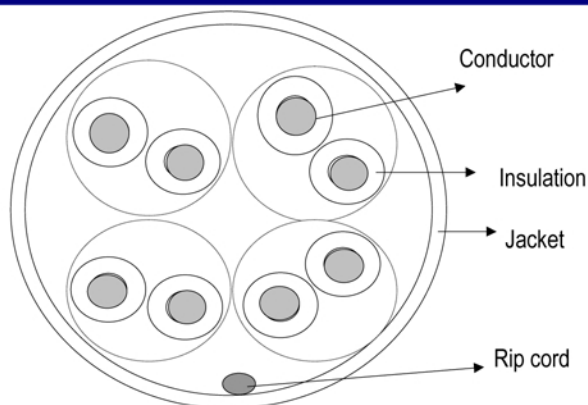


# Milestek®

## 4PAIR 24AWG CAT5E 350MHz. RISER RATED UTP CABLE

### Cross Section



### Marking

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

### Description

Rated Temperature( ) 75  
 Product Rating UL  
 Flammability Test CMR  
 Voltage Rating 300V

**Application**  
 Horizontal or Vertical(Riser) Wiring in LAN

**Reference Standard**  
 UL subject 444&758, EIA/TIA568 & ISO/IEC11801

### Construction

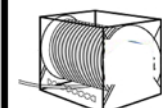
**Conductor** Solid Bare Copper  
 AWG 24  
 Conductor Dia.(mm) 0.525  
**Insulation** HDPE  
 Average Thickness(mm) 0.19  
 Min.Point Thickness(mm) 0.17  
 Insulation Dia.(±0.02mm) 0.91  
**Twisting Lay Length(mm)** 30underneath  
**Cabling Lay Length(±20mm)** 140  
**Jacket** PVC / RISER  
 Average Thickness(mm) 0.5  
 Min.Point Thickness(mm) 0.43  
 Outer Dia.(±0.2mm) 5.0  
 Rip Cord Per request

### Color

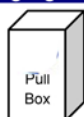
**Insulation colors are:**  
 Blue, White/Blue  
 Orange, White/Orange  
 Green, White/Green  
 Brown, White/Brown

Standard Blue, White, Gray, Green, Orange, Red, Black, Pink & Yellow  
 Special Per customer request

### Standard Packaging



Spool in a Box  
 Weight: 20 lbs.



Pull Box  
 Weight: 20 lbs.

### Part# 30 50013 xx / 30 50113 xx



### Performance

#### Electrical Characteristics:

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
0.772	19.4	1.8	67.0	65.0
1	20.0	2.0	65.3	63.0
4	23.0	4.1	56.3	52.0
8	24.5	5.8	51.8	46.0
10	25.0	6.5	50.3	44.0
16	25.0	8.2	47.3	39.0
20	25.0	9.3	45.8	37.0
25	24.3	10.4	44.3	34.0
31.25	23.6	11.7	42.9	31.0
62.5	21.5	17.0	38.4	21.0
100	20.1	22.0	35.3	13.0
350	16.3	43.0	32.1	10.4

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	30.1	16.0	13.0	535.6

1.0-100.0MH impedance(ohms) 100±15  
 1.0-100.0MH 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** Jacket  
 Test Material PVC  
 Before Tensile Strength(Mpa) >=13.8  
 Aging Elongation (%) >=100  
 Aging Condition(xhrs) 100x240  
 After Tensile Strength (Mpa) >=85% of unaged  
 After Elongation (%) >=50% of unaged  
 Cold Bend(-20±2 x4hrs) No crack

\*All values in this specification are nominal and are subjective to tolerances of +/- 10 to 15%.

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