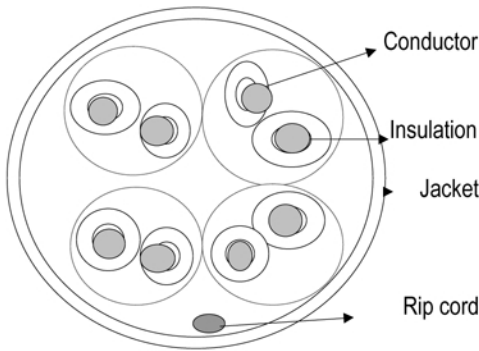


Milestek®

4PAIR 24AWG CAT5E 350MHz. CMP UTP CABLE #:

Cross Section



Marking

E#, 4PR 24AWG UTP 75 (UL) CMP - ETL CAT5E enhanced 350 MHz
TIA/EIA 568B.2 Commodity Cables, Inc. 5ECMP244SBx. -Feet marking

Description

Rated Temperature () 75
Product Rating UL
Flammability Test CMP

Application

Horizontal or Vertical(Riser) Wiring in LAN

Reference Standard

UL subject 910, EIA/TIA568 & ISO/IEC11801

Construction

Conductor *Solid Bare Copper*
AWG 24
Conductor Dia.(mm) 0.525
Insulation *FEP*
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 *Low Smoke*
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, Yellow, & Green
Special Per customer request

Part# 30 50014 xx / 30 50114 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

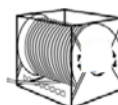
1.0-100.0MH impedance(ohms) 100±15
1.0-100.0MH Delay Skew(ns/100m) <=45
Pair-to-Ground Capacitance Unbalance(Pf/100m) <=330
Max. Conductor DC Resistance 20 (ohms/km) 93.8
Resistance Unbalance(%) <=5

Mechanical Characteristics:

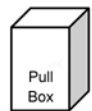
Test Object

Test Material **Jacket** Low Smoke
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

Standard Packaging



Spool in Box



Pull Box

Weight: 24 lbs.

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

800-524-7444 • milestek.com • 1506 Interstate 35W, Denton, Texas 76207-2402