

VOICE AND COMMUNICATION WIRE

CAT 3 24 AWG Twisted Pair Phone Wire

Specifications:

UL Listed: CMR rated 2, 3, 4 and 6 pair
 Conductor: 24 AWG Solid Bare Copper
 Conductor O.D.: .0201 Insulation
 Nominal Thickness: Polyethylene .008
 Jacket Material: PVC
 Jacket Color: Beige
 Nominal Jacket O.D.: .018
 DC Resistance: 28.06 ohms/1000 Feet Maximum
 Impedance: 1.0-16.0 MHz-100 ohms $\pm 15\%$
 Structural Return Loss (dB): 1.0-10.0 MHz=12



Retail Part No.	Length (Feet)	Nominal O.D.	Packaging	No. of Pairs
30-9973	100	.140	Hank	3
14-624-4L89	1000		Pull-out Box	2
14-624-6L89	1000	.160	Pull-out Box	3
14-624-8L89	1000		Pull-out Box	4
14-624-9L89	1000	.140	Pull-out Box	6

Attenuation

(dB/meters at 20°C):	
256 KHz	1.3 dB
772 KHz	2.2 dB
1.0 MHz	2.6 dB
4.0 MHz	5.6 dB
8.0 MHz	8.5 dB
9.0 MHz	9.7 dB

Color Coded

Pair No.	1st Cond. Base/Band	2nd Cond. Base/Band
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

CAT 3 22 AWG Twisted Pair Phone Wire

Specifications:

UL Listed: CMR rated 2 and 3 pair
 Conductor: 22 AWG Solid Bare Copper
 Conductor O.D.: .0253 Insulation
 Nominal Thickness: Polyethylene .008
 Jacket Material: PVC
 Jacket Color: Beige
 Nominal Jacket O.D.: .018
 DC Resistance: 18.0 ohms/1000 Feet Maximum
 Impedance: 1.0-16.0 MHz-100 ohms $\pm 15\%$
 Structural Return Loss (dB): 1.0-10.0 MHz=12



Retail Part No.	Length (Feet)	Nominal O.D.	Packaging	No. of Pairs
14-622-4L89	1000	.180	Pull-out Box	2

Attenuation

(dB/meters at 20°C):	
256 KHz	1.3 dB
772 KHz	2.2 dB
1.0 MHz	2.6 dB
4.0 MHz	5.6 dB
8.0 MHz	8.5 dB
9.0 MHz	9.7 dB

Color Coded

Pair No.	1st Cond. Base/Band	2nd Cond. Base/Band
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

CAT 5 24 AWG Unshielded Twisted Pair-Up to 100 MHz

Features:

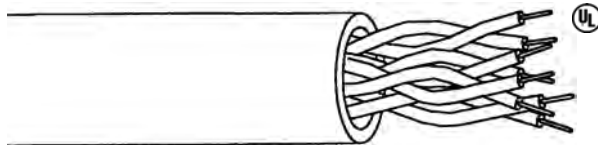
Meets EIA/TIA 568-B.2 specifications, ascending foot marks.
 Convenient pull-out box packaging. Speed is up to 100 MHz.

Applications:

Voice, datacom transmission, networking/residential structured cabling

Specifications:

UL Listed: CMR rated
 Conductor: 24 AWG Solid Bare Copper
 Conductor O.D.: .050mm
 Insulation Material: HD Polyethylene
 Insulation O.D.: .20mm
 Jacket Thickness: .68mm
 Jacket Material: PVC
 Jacket Color: Gray



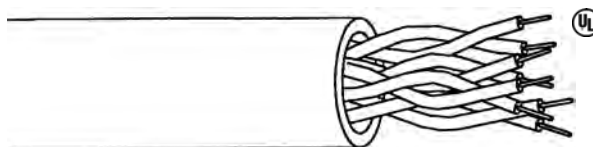
Retail Part No.	Length (Feet)	Cable O.D.	Packaging	No. of Pairs
14-554-8B88	1000	.220mm	Pull-out Box	4
14-555-8L68	500	5.6mm	Pull-out Box	4

VOICE AND COMMUNICATION WIRE (Cont.)

CAT 5e 24 AWG Unshielded Twisted Pair–350 MHz Swept

Specifications:

UL Listed: CMR/MPR
Conductor: 24 AWG Solid Bare Copper
Conductor O.D.: .050mm
Insulation Material: HD Polyethylene
Insulation O.D.: .93mm
Jacket Thickness: .5mm
Jacket Material: PVC
Cable O.D.: 5.2mm

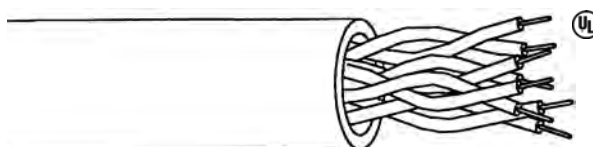


Retail Part No.	Length (Feet)	Color	No. of Pairs
14-1350-8L81	1000	Pink	4
14-1350-8L82	1000	Orange	4
14-1350-8L83	1000	White	4
14-1350-8L84	1000	Red	4
14-1350-8L85	1000	Gray	4
14-1350-8L86	1000	Green	4
14-1350-8L87	1000	Yellow	4
14-1350-8L88	1000	Violet	4
14-1350-8L89	1000	Blue	4

CAT 6e 24 AWG Unshielded Twisted Pair–550 MHz Swept

Specifications:

UL Listed: CMR/MPR
Conductor: 24 AWG Solid Bare Copper
Conductor O.D.: .559mm
Insulation Material: Polyethylene
Insulation O.D.: .88mm
Jacket Thickness: .42mm
Jacket Material: PVC
Cable O.D.: 5.99mm



Retail Part No.	Length (Feet)	Color	No. of Pairs
14-1550-8L82	1000	Gray	4 (with Rip Cord)
14-1550-8L84	1000	White	4 (with Rip Cord)
14-1550-8L89	1000	Blue	4 (with Rip Cord)

Conductor Color Key (Unshielded Twisted Pair Only)

Pair No.	1st Cond. Base/Band	2nd Cond. Base/Band
1	White/Blue	Blue
2	White/Orange	Orange
3	White/Green	Green
4	White/Brown	Brown

Electrical Specifications

General Specifications: Cat 5e (Cat 6e)

Impedance (Ohms): 100±15 (100±15)
Delay Skew: 45ns/100m (25ns/100m)
Velocity of Propagation: 69% (70%)
DC Resistance: 28.6 Ohm/1000ft (28.6 Ohm/1000ft)

Frequency (MHz)	Maximum Attenuation (dB/100m)		Minimum Near-End Crosstalk (dB/100m)		Attenuation Crosstalk Ratio (dB/100m)		Minimum PowerSum Near-End Crosstalk (dB/100m)		PowerSum Attenuation Crosstalk Ratio (dB/100m)		Minimum Return Loss (dB/100m)		Minimum Equal Level Far-End Crosstalk (dB/100m)		Minimum PowerSum Equal Level Far-End Crosstalk (dB/100m)	
	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e	Cat 5e	Cat 6e
1	2.0	2.0	68.3	77.3	66.3	75.0	66.3	75.3	64.6	73.0	20.0	20.0	63.8	70.8	60.8	67.8
4	4.1	3.8	59.3	68.3	55.2	64.0	57.3	66.3	53.2	62.0	23.0	23.6	51.7	58.7	48.7	55.7
8	5.8	5.3	54.8	63.8	49.0	57.7	52.8	61.8	47.0	55.7	24.5	25.4	45.7	52.7	42.7	49.7
10	6.5	5.9	53.3	62.3	46.8	55.6	51.3	60.3	44.8	53.6	25.0	26.0	43.8	50.8	40.8	47.8
16	8.2	7.4	50.3	59.3	42.1	50.7	48.3	57.3	40.1	48.7	25.0	26.0	39.7	46.7	36.7	43.7
20	9.3	8.3	48.8	57.8	39.5	48.2	46.8	55.8	37.5	46.2	25.0	26.0	37.7	44.7	34.7	41.7
25	10.4	9.3	47.3	56.3	36.9	45.6	45.3	54.3	34.9	43.6	24.3	25.5	35.8	42.8	32.8	39.8
31.25	11.7	10.4	45.9	54.9	34.2	42.8	43.9	52.9	32.2	40.8	23.6	25.0	33.9	40.9	30.9	37.9
62.5	17.0	14.9	41.4	50.4	24.4	32.9	39.4	48.4	22.4	30.9	21.5	23.5	27.8	34.8	24.8	31.8
100	22.0	19.0	387.3	47.3	16.3	24.9	36.3	45.3	14.3	22.9	20.1	22.5	23.8	30.8	20.8	27.8
155	28.1	23.9	35.5	45.8	7.4	21.0	33.5	43.5	5.4	21.5	18.8	21.6	20.0	27.0	17.0	23.6
200	23.4	27.4	33.8	42.8	1.4	18.4	31.8	40.8		16.4	18.0	21.0	17.7	24.7	14.7	21.7
250	36.0	30.8	32.6	41.3		13.5	30.6	39.3		11.5	17.4	20.5	16.2	22.8	13.2	19.8
300	41.0	34.0	31.2	40.2		9.6	29.2	38.2		5.0	16.8	20.1	14.2	21.2	11.2	18.2
350	44.9	37.0	30.1	39.2		5.2	28.1	37.2		3.2	16.3	19.8	12.9	19.9	9.9	16.9
400		39.7		38.3		1.5		36.3				19.5				15.7
450		42.1		37.5				35.3				19.2				14.7
500		44.9		36.8				34.8				19.0				13.8
550		47.3		36.2				34.2				18.8				12.9