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CATEGORY 5 ENHANCED UNSHIELDED TWISTED PAIR (UTP) LAN CABLE

Description: 4 Pair Unshielded Twisted Pair (UTP) Category 5 Enhanced LAN Cable

Part Number: 32105048

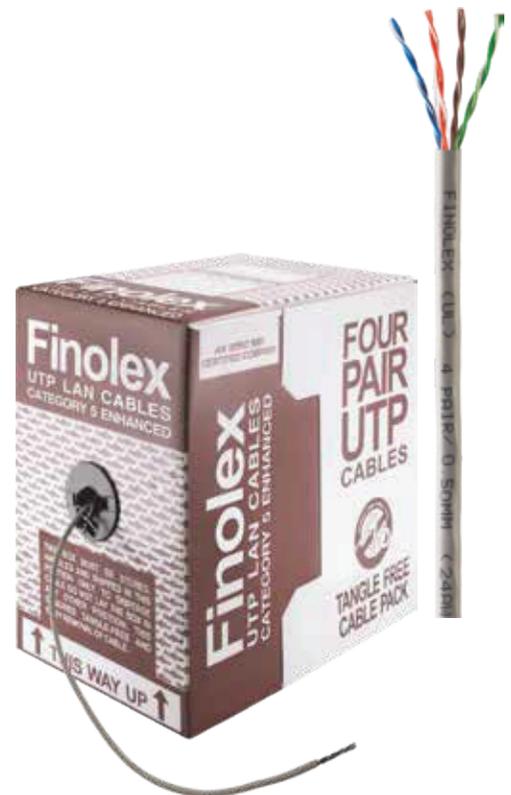
Standard Length: 305 Meters (1000 Feet)

Packaging: Tangle free cable pack in laminated corrugated box and UL listing & verification label

Application: This Category 5E, four pair cable is a high-speed, high performance, 100 ohm impedance cable capable of carrying high bit-rate signaling for extended distances in horizontal cabling. Signal amplifiers are not required for a length of 328 feet (100 M). Applications can include Voice, ISDN, ATM 155 Mbps, ATM 622 Mbps 100 Mbps TPDDI, Fast and Giga Ethernet, 100 Mbps TP-PMD, 1000 BASE-T

Physical Specification:

Conductor	:	24 AWG Annealed bare solid copper
Insulation	:	High Density Polyethylene
Core Colour	:	Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange Pair 3 : White / Green - Green Pair 4 : White / Brown - Brown
Sheath	:	Fire Retardant PVC Compound (FRPVC)
Approx. Cable OD	:	5.5 mm
Sheath Colour	:	Grey
Operating Environment	:	Indoor
Temperature Rating	:	-15°C to 70°C
Flame Classification	:	CMXAs per UL 1581 (VW-1)
Electrical Performance	:	(At 100MHz)
Standards	:	ANSI/TIA-568C.2, UL Listed & verified for CAT 5 E
Impedance	:	100 +/- 15 ohm
(NVP) Velocity of Propagation	:	65% min @100 MHz.
Delay Skew	:	45 ns /100 mtrs. @ 20 deg. C max
Propagation Delay	:	538 ns / 100 mtrs. @100 MHz @ 20 deg. C max.
DC Resistance	:	9.38 ohm / 100 mtrs. @ 20 deg. C max.
Mutual Capacitance	:	5.60 nF / 100 mtrs. max.



Comparative Performance : Advantage Finolex



Frequency (Mhz)	Max Attenuation dB/100m @ 20°C		Min. NEXT(dB)		Min. PS NEXT (dB)		Min. EL FEXT ACR-F dB/100m @ 20°C		Min. PS EL FEXT PSACR-F dB/100m @ 20°C		Min. Return Loss(dB)	
	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical
1.00	2.00	1.94	65.30	79.60	62.30	76.00	63.80	67.30	60.80	64.30	20.00	35.40
4.00	4.10	3.90	56.30	70.10	53.30	66.00	51.7	63.80	48.7	60.30	23.00	34.60
8.00	5.80	5.50	51.80	65.80	48.80	61.20	45.70	59.60	42.70	54.70	24.50	38.20
10.00	6.50	6.26	50.30	62.50	47.30	61.70	43.80	57.60	40.80	55.60	25.00	36.20
16.00	8.20	8.01	47.30	61.70	44.4	56.70	39.70	55.80	36.70	52.80	25.00	35.90
20.00	9.30	8.99	45.80	61.40	42.80	58.50	37.7	52.20	34.7	49.10	25.00	37.30
25.00	10.40	10.10	44.30	53.90	41.30	54.30	35.80	47.60	32.80	44.60	24.30	31.80
31.25	11.70	11.38	42.90	55.90	39.90	52.70	33.90	42.60	30.90	47.60	23.60	36.10
62.50	17.00	16.34	36.40	49.80	35.40	47.50	27.8	48.50	24.6	43.80	21.50	33.90
100.00	22.00	20.69	35.30	47.70	32.30	46.50	23.80	43.00	20.80	41.70	20.10	31.10

CATEGORY 6 UNSHIELDED TWISTED PAIR (UTP) LAN CABLE

Description: 4 Pair UTP Category 6 LAN Cable with Star Type Pair Separator

Part Number: 32255042/32245042/32265042/32275042

Standard Length: 305 Meters (1000 Feet)

Packaging: Packed in master carton consisting of two Tangle Free 305 M coils in individual mono carton.

Application: This Category 6, four pair cable is a high-speed, high performance, 100 ohm impedance cable capable of carrying high bit-rate signaling for extended distances in horizontal cabling. Signal amplifiers are not required for a length of 328 feet (100 M). Applications can include Voice, ISDN, ATM 155 Mbps, ATM 622 Mbps 100 Mbps TPDDI, Fast and Giga Ethernet, and IEEE 802.3/5/12, 100 BASE VG (100 BASE NE), 100 BASE-T, 100 Mbps TP-PMD, 1000 BASE-T, 10Gb and any other future applications designed for Category 6 Cables.

Physical Specification:

Conductor	: 23 AWG Annealed bare solid copper
Insulation	: High Density Polyethylene
Core Colour	: Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange Pair 3 : White / Green - Green Pair 4 : White / Brown - Brown
Sheath	: Fire Retardant PVC Compound (FRPVC)
Star Separator	: Low Density Polyethylene
Approx. Cable OD	: 6.00 mm Max.
Sheath Colour	: Yellow/ Grey/ Green/ Blue
Operating Environment	: Indoor
Temperature Rating	: -15°C to 70°C
Flame Classification	: CM Vertical Tray Flame Test as per UL 1685.

Electrical Performance : (At 250MHz)

Standards	: ANSI/TIA-568C.2, ETL Verified, UL listed & Verified for CAT 6
Impedance	: 100 +/- 15 ohm
Velocity of Propagation	: 62.10% min @ 250 MHz
Propagation Delay	: 536 ns / 100 mtrs.max @ 20 deg. C @ 250 MHz
Delay Skew	: 45 ns /100 mtrs. max. @ 20 deg. C for 1 MHz~250 MHz
DC Resistance	: 9.38 ohm / 100 mtrs. max. @ 20 deg. C
Mutual Capacitance	: 5.60 nf / 100 mtrs. max. at 1000 Hz



Comparative Performance : Advantage Finolex

Frequency (Mhz)	Max Attenuation dB/100m @ 20°C		Min. NEXT(dB)		Min. PS NEXT (dB)		Min. EL FEXT ACR-F dB/100 M @ 20°C		Min. PS EL FEXT PSACR-F dB/100 M @ 20°C		Min. Return Loss (dB)	
	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical
1.00	2.00	1.98	74.30	76.81	72.3	75.54	67.80	70.75	64.80	67.75	20.00	42.27
4.00	3.80	3.70	65.30	67.78	63.3	66.51	55.80	58.71	52.80	55.71	23.00	38.05
8.00	5.30	5.20	60.80	63.27	58.8	62.00	49.70	52.69	46.70	49.69	24.50	35.95
10.00	6.00	5.82	59.30	61.81	57.3	60.54	47.80	50.75	44.80	47.75	25.00	35.27
16.00	7.60	7.38	56.20	58.75	54.2	57.48	43.70	46.67	40.70	43.67	25.00	33.84
20.00	8.50	8.28	54.80	57.30	52.8	56.03	41.80	44.73	38.80	41.73	25.00	33.16
25.00	9.50	9.29	53.30	55.85	51.3	54.58	39.80	42.79	36.80	39.79	24.30	32.28
31.25	10.70	10.43	51.90	54.39	49.9	53.12	37.90	40.86	34.90	37.86	23.60	31.80
62.50	15.40	15.04	47.40	49.88	45.4	48.61	31.90	34.83	28.90	31.83	21.50	29.70
100.00	19.80	19.37	44.30	46.81	42.3	45.54	27.80	30.75	24.80	27.75	20.10	28.27
200.00	29.00	28.38	39.80	42.30	37.8	41.03	21.80	24.73	18.80	21.73	18.00	26.16
250.00	32.90	32.17	38.30	40.85	36.3	39.58	19.80	24.31	16.80	21.31	17.30	20.01

CATEGORY 6 UNSHIELDED TWISTED PAIR (UTP) - LITE LAN CABLE

Description: 4P UTP CAT6 LITE LAN with Star Type Pair Separator

Part Number: 32245142/32255142/32265142/32275142

Standard Length: 305 Meters (1000 Feet)

Packaging: Packed in master carton consisting of two Tangle Free 305 M coils in individual mono carton.

Application: This Category 6, four pair cable is a high-speed, high performance, 100 ohm impedance cable capable of carrying high bit-rate signaling for extended distances in horizontal cabling. Signal amplifiers are not required for a length of 328 feet (100 M). Applications can include Voice, ISDN, ATM 155 Mbps, ATM 622 Mbps 100 Mbps TPDDI, Fast and Giga Ethernet, and IEEE 802.3/5/12, 100 BASE VG (100 BASE NE), 100 BASE-T, 100 Mbps TP-PMD, 1000 BASE-T, 10Gb and any other future applications designed for Category 6 Cables.

Physical Specification:

Conductor	: 23 AWG Annealed bare solid copper
Insulation	: High Density Polyethylene
Core Colour	: Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange Pair 3 : White / Green - Green Pair 4 : White / Brown - Brown
Sheath	: Fire Retardant PVC Compound (FRPVC)
Star Separator	: Low Density Polyethylene
Approx. Cable OD	: 5.7 mm
Sheath Colour	: Yellow/ Grey/ Green/ Blue
Operating Environment	: Indoor
Temperature Rating	: -15°C to 70°C

Electrical Performance : (At 250MHz)

Standards	: ANSI/TIA 568C.2
Impedance	: 100 +/- 15 ohm
Velocity of Propagation	: 62.10% min @ 250 MHz
Propagation Delay	: 536 ns / 100 mtrs.max @ 20 deg. C @ 250 MHz
Delay Skew	: 45 ns /100 mtrs. max. @ 20 deg. C for 1 MHz~250 MHz
DC Resistance	: 9.38 ohm / 100 mtrs. max. @ 20 deg. C
Mutual Capacitance	: 5.60 nf / 100 mtrs. max. at 1000 Hz



Comparative Performance : Advantage Finolex

Frequency (MHz)	Max Attenuation dB/100m @20°C	Min NEXT dB/100m @20°C	Min PS NEXT dB/100m @20°C	Min. EL FEXT ACR-F dB/100M @ 20°C		Min. PS EL FEXT PSACR-F dB/100M @ 20°C		Min. Return Loss (dB)
				Spec.	Typical	Spec.	Typical	
1	2.1	65	62	67.80	70.45	64.80	67.75	19
4	4	63	60.5	55.80	58.71	52.80	55.71	19
8	5.7	58.2	55.6	49.70	52.69	46.70	49.69	19
10	6.3	56.6	54	47.80	50.75	44.80	47.67	19
16	8	53.2	50.6	43.70	46.67	40.70	41.73	18
20	9	51.6	49	41.80	44.73	38.80	39.79	17.5
25	10.1	50	47.3	39.80	42.79	36.80	37.86	17
31.25	11.4	48.4	45.7	37.90	40.86	34.90	31.83	16.5
62.5	16.5	43.4	40.6	31.90	34.83	28.90	27.75	14
100	21.3	39.9	37.1	27.80	30.75	24.80	26.17	12
200	31.5	34.8	31.9	21.80	24.73	18.80	21.73	9
250	35.9	33.1	30.2	19.80	24.31	16.80	21.31	8

CATEGORY 6 UNSHIELDED TWISTED PAIR LAN CABLE WITH COPPER CLAD ALUMINIUM CONDUCTOR (CCA)

Description: 4 Pair Unshielded Twisted Pair (UTP) Category 6 LAN Cable with Copper Clad Aluminium (CCA) conductor.

Part Number: 32955048

Standard Length: 305 Meters (1000 Feet)

Packaging: Packed in master carton consisting of two Tangle Free 305 M coils in individual mono carton.

Application: This Category 6, four pair cable is a high-speed, high performance, 100 ohm impedance cable capable of carrying high bit-rate signaling for extended distances in horizontal cabling. Signal amplifiers are not required for a length of 328 feet (100 M). Applications can include Voice, ISDN, ATM 155 Mbps, ATM 622 Mbps 100 Mbps TPDDI, Fast and Giga Ethernet, and IEEE 802.3/5/12, 100 BASE VG (100 BASE NE), 100 BASE-T, 100 Mbps TP-PMD, 1000 BASE-T, 10Gb and any other future applications designed for Category 6 Cables.

Physical Specification:

Conductor	: 23 AWG Copper Clad Aluminium
Insulation	: High Density Polyethylene
Core Colour	: Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange Pair 3 : White / Green - Green Pair 4 : White / Brown - Brown
Sheath	: Fire Retardant PVC Compound (FRPVC)
Star Separator	: Low Density Polyethylene
Approx. Cable OD	: 6.00 mm
Sheath Colour	: Orange
Operating Environment	: Indoor
Temperature Rating	: -15°C to 70°C

Electrical Performance : (At 250MHz)

Standards	: ANSI/TIA-568C.2
Impedance	: 100 +/- 15 ohm
Velocity of Propagation	: 62.10% min @ 250 MHz
Propagation Delay	: 536 ns / 100 mtrs.max @ 20 deg. C @ 250 MHz
Delay Skew	: 45 ns /100 mtrs. max. @ 20 deg. C for 1 MHz~250 MHz
DC Resistance	: 9.38 ohm / 100 mtrs. max. @ 20 deg. C
Mutual Capacitance	: 5.60 nF / 100 mtrs. max. at 1000 Hz



Comparative Performance : Advantage Finolex

Frequency (Mhz)	Max Attenuation dB/100m @ 20°C		Min. NEXT(dB)		Min. PS NEXT (dB)		Min. EL FEXT ACR-F dB/100 M @ 20°C		Min. PS EL FEXT PSACR-F dB/100 M @ 20°C		Min. Return Loss (dB)	
	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical
1.00	2.00	1.98	74.30	76.81	72.3	75.54	67.80	70.75	64.80	67.75	20.00	42.27
4.00	3.80	3.70	65.30	67.78	63.3	66.51	55.80	58.71	52.80	55.71	23.00	38.05
8.00	5.30	5.20	60.80	63.27	58.8	62.00	49.70	52.69	46.70	49.69	24.50	35.95
10.00	6.00	5.82	59.30	61.81	57.3	60.54	47.80	50.75	44.80	47.75	25.00	35.27
16.00	7.60	7.38	56.20	58.75	54.2	57.48	43.70	46.67	40.70	43.67	25.00	33.84
20.00	8.50	8.28	54.80	57.30	52.8	56.03	41.80	44.73	38.80	41.73	25.00	33.16
25.00	9.50	9.29	53.30	55.85	51.3	54.58	39.80	42.79	36.80	39.79	24.30	32.28
31.25	10.70	10.43	51.90	54.39	49.9	53.12	37.90	40.86	34.90	37.86	23.60	31.80
62.50	15.40	15.04	47.40	49.88	45.4	48.61	31.90	34.83	28.90	31.83	21.50	29.70
100.00	19.80	19.37	44.30	46.81	42.3	45.54	27.80	30.75	24.80	27.75	20.10	28.27
200.00	29.00	28.38	39.80	42.30	37.8	41.03	21.80	24.73	18.80	21.73	18.00	26.16
250.00	32.90	32.17	38.30	40.85	36.3	39.58	19.80	24.31	16.80	21.31	17.30	20.01

CAT6A U/UTP

Description: 4P 23AWG UTP - CAT6A LAN GRY

Part Number: 32206048

Standard Length: 305 Meters (1000 Feet)

Packaging: 305 M Reel in corrugated box

Application: Cable applied in structured cabling system of Class E for high speed data and voice transmission, secondary (vertical) and tertiary (horizontal) level. Cable used in following types of network: ISDN , IEEE 802.3 10Base-T Ethernet 10Mb/s, IEEE 802.3u 100Base-T Fast Ethernet 100Mb/s, IEEE 802.3ab 1000Base-T Gigabit Ethernet 1000Mb/s, Data center I/O consolidation, Parallel processing and High speed computing

Physical Specification:

Conductor	: 23 AWG Annealed bare solid copper
Insulation	: High Density Polyethylene
Core Colour	: Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange Pair 3 : White / Green - Green Pair 4 : White / Brown - Brown
Sheath	: Fire Retardant PVC Compound (FRPVC)
Star Separator	: Low Density Polyethylene
Approx. Cable OD	: 6.0 mm
Sheath Colour	: Grey
Operating Environment	: Indoor
Temperature Range	: -15°C to 70°C

Electrical Performance : (At 500MHz)

Standards	: ANSI/TIA-568C.2
Impedance	: 100 +/- 15 ohm
Velocity of Propagation	: 62.10% min @ 500 MHz
Propagation Delay	: 536 ns / 100 mtrs.max @ 20 deg. C @ 500 MHz
Delay Skew	: 45 ns /100 mtrs. max. @ 20 deg. C for 1 MHz~500 MHz
DC Resistance	: 9.38 ohm / 100 mtrs. max. @ 20 deg. C
Mutual Capacitance	: 5.60 nF / 100 mtrs. max. at 1000 Hz



Frequency (MHz)	Max Attenuation dB/100m @20°C	Min Return Loss (dB)	Min Next (dB)	Min PS NEXT (dB)	Min EL FEXT ACR-F dB /100m @20°C	Min PS EL FEXT PSACR-F dB/ 100m @20°C
1.00	2.0	20.0	74.3	72.3	67.8	64.8
4.00	3.8	23.0	65.3	63.3	55.8	52.8
8.00	5.3	24.5	60.8	58.8	49.7	46.7
10.00	6.0	25.0	59.3	57.3	47.8	44.8
16.00	7.6	25.0	56.2	54.2	43.7	40.7
20.00	8.5	25.0	54.8	52.8	41.8	38.8
25.00	9.5	24.3	53.3	51.3	39.8	36.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9
62.50	15.4	21.5	47.4	45.4	31.9	28.9
100.0	19.8	20.1	44.3	42.3	27.8	24.8
200.0	29.0	18.0	39.8	37.8	21.8	18.8
250.0	32.8	17.3	38.3	36.3	19.8	16.8
300.0	34.27	16.77	37.14	35.14	18.26	15.26
400.0	40.05	15.89	35.27	33.27	15.76	12.76
500.0	45.26	15.21	33.82	31.82	13.82	10.82

CATEGORY 6 UNSHIELDED TWISTED PAIR (UTP) LITE LAN CABLE

Description: 4 Pair UTP Category 6 LITE LAN Cable with Star Type Pair Separator

Part Number: 32245044/32255144

Standard Length: 100 Meters

Packaging: Packed in master carton consisting of two Tangle Free 100 M coils in individual mono carton

Application: This Category 6, four pair cable is a high-speed, high performance, 100 ohm impedance cable capable of carrying high bit-rate signaling for extended distances in horizontal cabling. Signal amplifiers are not required for a length of 328 feet (100 M). Applications can include Voice, ISDN, ATM 155 Mbps, ATM 622 Mbps 100 Mbps TPDDI, Fast and Giga Ethernet, and IEEE 802.3/5/12, 100 BASE VG (100 BASE NE), 100 BASE-T, 100 Mbps TP-PMD, 1000 BASE-T, 10Gb and any other future applications designed for Category 6 Cables.

Physical Specification:

Conductor	: 23 AWG Annealed bare solid copper
Insulation	: High Density Polyethylene
Core Colour	: Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange Pair 3 : White / Green - Green Pair 4 : White / Brown - Brown
aSheath	: Fire Retardant PVC Compound (FRPVC)
Star Separator	: Low Density Polyethylene
Approx. Cable OD	: 5.7 mm
Sheath Colour	: Grey/ Yellow
Operating Environment	: Indoor
Temperature Rating	: -15°C to 70°C

Electrical Performance : (At 250MHz)

Standards	: ANSI/TIA-568C.2
Impedance	: 100 +/- 15 ohm
Velocity of Propagation	: 62.10% min @ 250 MHz
Propagation Delay	: 536 ns / 100 mtrs.max @ 20 deg. C @ 250 MHz
Delay Skew	: 45 ns /100 mtrs. max. @ 20 deg. C for 1 MHz~250 MHz
DC Resistance	: 9.38 ohm / 100 mtrs. max. @ 20 deg. C
Mutual Capacitance	: 5.60 nf / 100 mtrs. max. at 1000 Hz



Comparative Performance : Advantage Finolex

Frequency (MHz)	Max Attenuation dB/100m @20°C	Min NEXT dB/100m @20°C	Min PS NEXT dB/100m @20°C	Min. EL FEXT ACR-F dB/100M @ 20°C		Min. PS EL FEXT PSACR-F dB/100M @ 20°C		Min. Return Loss (dB)
				Spec.	Typical	Spec.	Typical	
1	2.1	65	62	67.80	70.45	64.80	67.75	19
4	4	63	60.5	55.80	58.71	52.80	55.71	19
8	5.7	58.2	55.6	49.70	52.69	46.70	49.69	19
10	6.3	56.6	54	47.80	50.75	44.80	47.67	19
16	8	53.2	50.6	43.70	46.67	40.70	41.73	18
20	9	51.6	49	41.80	44.73	38.80	39.79	17.5
25	10.1	50	47.3	39.80	42.79	36.80	37.86	17
31.25	11.4	48.4	45.7	37.90	40.86	34.90	31.83	16.5
62.5	16.5	43.4	40.6	31.90	34.83	28.90	27.75	14
100	21.3	39.9	37.1	27.80	30.75	24.80	26.17	12
200	31.5	34.8	31.9	21.80	24.73	18.80	21.73	9
250	35.9	33.1	30.2	19.80	24.31	16.80	21.31	8

CAT6 ECCS TAPE ARMoured CABLE

Description: 4P 23 AWG CAT6 PE ECCS ARMD CBL 305M

Part Number: 32440608

Standard Length: 305 Meters (1000 Feet)

Packaging: 305 M on Wooden Drum

Application: This Category 6, four pair cable is a high-speed, high performance, 100 ohm impedance cable capable of carrying high bit-rate signaling for extended distances in horizontal cabling. Signal amplifiers are not required for a length of 328 feet (100 M). Applications can include Voice, ISDN, ATM 155 Mbps, ATM 622 Mbps 100 Mbps TPDDI, Fast and Giga Ethernet, and IEEE 802.3/5/12, 100 BASE VG (100 BASE NE), 100 BASE-T, 100 Mbps TP-PMD, 1000 BASE-T, 10Gb and any other future applications designed for Category 6 Cables.

Physical Specification:

Conductor	: 23 AWG Annealed bare solid copper
Insulation	: High Density Polyethylene
Core Colour	: Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange Pair 3 : White / Green - Green Pair 4 : White / Brown - Brown
Rip Cord	: Nylon Rip Cord under Inner Sheath
Inner Sheath	: FR- PVC
Outer Sheath	: Polyethylene (PE)
Outer Sheath colour	: Black
Star Separator	: Low Density Polyethylene
Approx. Cable OD	: 9.2 mm
Sheath Colour	: Black
Operating Environment	: Outdoor
Temperature Rating	: -15°C to 70°C

Electrical Performance : (At 250MHz)

Standards	: ANSI/TIA-568C.2
Impedance	: 100 +/- 15 ohm
Velocity of Propagation	: 62.10% min @ 250 MHz
Propagation Delay	: 536 ns / 100 mtrs.max @ 20 deg. C @ 250 MHz
Delay Skew	: 45 ns /100 mtrs. max. @ 20 deg. C for 1 MHz~250 MHz
DC Resistance	: 9.38 ohm / 100 mtrs. max. @ 20 deg. C
Mutual Capacitance	: 5.60 nf / 100 mtrs. max. at 1000 Hz



Comparative Performance : Advantage Finolex

Frequency (Mhz)	Max Attenuation dB/100m @ 20°C		Min. NEXT(dB)		Min. PS NEXT (dB)		Min. EL FEXT ACR-F dB/100 M @ 20°C		Min. PS EL FEXT PSACR-F dB/100 M @ 20°C		Min. Return Loss (dB)	
	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical
1.00	2.00	1.98	74.30	76.81	72.3	75.54	67.80	70.75	64.80	67.75	20.00	42.27
4.00	3.80	3.70	65.30	67.78	63.3	66.51	55.80	58.71	52.80	55.71	23.00	38.05
8.00	5.30	5.20	60.80	63.27	58.8	62.00	49.70	52.69	46.70	49.69	24.50	35.95
10.00	6.00	5.82	59.30	61.81	57.3	60.54	47.80	50.75	44.80	47.75	25.00	35.27
16.00	7.60	7.38	56.20	58.75	54.2	57.48	43.70	46.67	40.70	43.67	25.00	33.84
20.00	8.50	8.28	54.80	57.30	52.8	56.03	41.80	44.73	38.80	41.73	25.00	33.16
25.00	9.50	9.29	53.30	55.85	51.3	54.58	39.80	42.79	36.80	39.79	24.30	32.28
31.25	10.70	10.43	51.90	54.39	49.9	53.12	37.90	40.86	34.90	37.86	23.60	31.80
62.50	15.40	15.04	47.40	49.88	45.4	48.61	31.90	34.83	28.90	31.83	21.50	29.70
100.00	19.80	19.37	44.30	46.81	42.3	45.54	27.80	30.75	24.80	27.75	20.10	28.27
200.00	29.00	28.38	39.80	42.30	37.8	41.03	21.80	24.73	18.80	21.73	18.00	26.16
250.00	32.90	32.17	38.30	40.85	36.3	39.58	19.80	24.31	16.80	21.31	17.30	20.01

CAT6 UNSHIELDED TWISTED PAIR (UTP) DOUBLE SHEATH CABLE

Description: 4 PAIR UTP CAT6 LAN DOSTH 305

Part Number: 32255248

Standard Length: 305 M on Wooden Drum

Packaging: Packed in master carton consisting of two Tangle Free 305 M coils in individual mono carton.

Application: This Category 6, four pair cable is a high-speed, high performance, 100 ohm impedance cable capable of carrying high bit-rate signaling for extended distances in horizontal cabling. Signal amplifiers are not required for a length of 328 feet (100 M). Applications can include Voice, ISDN, ATM 155 Mbps, ATM 622 Mbps 100 Mbps TPDDI, Fast and Giga Ethernet, and IEEE 802.3/5/12, 100 BASE VG (100 BASE NE), 100 BASE-T, 100 Mbps TP-PMD, 1000 BASE-T, 10Gb and any other future applications designed for Category 6 Cables.

Physical Specification:

Conductor	: 23 AWG Annealed bare solid copper
Insulation	: High Density Polyethylene
Core Colour	: Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange Pair 3 : White / Green - Green Pair 4 : White / Brown - Brown
Rip Cord	: Nylon Rip Cord under Inner Sheath
Inner Sheath	: FR- PVC
Outer Sheath	: Polyethylene (PE)
Outer Sheath colour	: Black
Star Separator	: Low Density Polyethylene
Approx. Cable OD	: 7.00 mm
Sheath Colour	: Yellow / Black
Operating Environment	: Outdoor
Temperature Rating	: -15°C to 70°C

Electrical Performance : (At 250MHz)

Standards	: ANSI/TIA-568C.2
Impedance	: 100 +/- 15 ohm
Velocity of Propagation	: 62.10% min @ 250 MHz
Propagation Delay	: 536 ns / 100 mtrs.max @ 20 deg. C @ 250 MHz
Delay Skew	: 45 ns /100 mtrs. max. @ 20 deg. C for 1 MHz~250 MHz
DC Resistance	: 9.38 ohm / 100 mtrs. max. @ 20 deg. C
Mutual Capacitance	: 5.60 nF / 100 mtrs. max. at 1000 Hz



Comparative Performance : Advantage Finolex

Frequency (Mhz)	Max Attenuation dB/100m @ 20°C		Min. NEXT(dB)		Min. PS NEXT (dB)		Min. EL FEXT ACR-F dB/100 M @ 20°C		Min.PS EL FEXT PSACR-F dB/100 M @ 20°C		Min. Return Loss (dB)	
	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical
1.00	2.00	1.98	74.30	76.81	72.3	75.54	67.80	70.75	64.80	67.75	20.00	42.27
4.00	3.80	3.70	65.30	67.78	63.3	66.51	55.80	58.71	52.80	55.71	23.00	38.05
8.00	5.30	5.20	60.80	63.27	58.8	62.00	49.70	52.69	46.70	49.69	24.50	35.95
10.00	6.00	5.82	59.30	61.81	57.3	60.54	47.80	50.75	44.80	47.75	25.00	35.27
16.00	7.60	7.38	56.20	58.75	54.2	57.48	43.70	46.67	40.70	43.67	25.00	33.84
20.00	8.50	8.28	54.80	57.30	52.8	56.03	41.80	44.73	38.80	41.73	25.00	33.16
25.00	9.50	9.29	53.30	55.85	51.3	54.58	39.80	42.79	36.80	39.79	24.30	32.28
31.25	10.70	10.43	51.90	54.39	49.9	53.12	37.90	40.86	34.90	37.86	23.60	31.80
62.50	15.40	15.04	47.40	49.88	45.4	48.61	31.90	34.83	28.90	31.83	21.50	29.70
100.00	19.80	19.37	44.30	46.81	42.3	45.54	27.80	30.75	24.80	27.75	20.10	28.27
200.00	29.00	28.38	39.80	42.30	37.8	41.03	21.80	24.73	18.80	21.73	18.00	26.16
250.00	32.90	32.17	38.30	40.85	36.3	39.58	19.80	24.31	16.80	21.31	17.30	20.01

CATEGORY 5E NETWORKING CABLE UTP 2 PAIR

Part Number: 32105028

Standard Length: 250 Mtrs.

Packaging: Packed in master cartons consisting of three 250 Mtrs. coils in individual mono cartons

Application: These are structured cables for outdoor applications suitable for ethernet Applications & compatible with all known connection systems.

Physical Specification:

Conductor	: 25 AWG Solid Annealed Bare Copper Conductor
Insulation	: High Density Polyethylene
Core Colour	: Pair 1 : White / Blue - Blue Pair 2 : White / Orange - Orange
Wrapper	: Polyester Tape Over Pairs
Sheath	: Polyethylene (PE)
Approx. Cable OD	: 4.00 mm
Sheath Colour	: Black
Operating Environment	: Outdoor

Electrical Performance	: (At 100MHz)
Standards	: Generally Conforming to ANSI / TIA-568C.2
Impedance	: 100+/-15 ohm
Velocity of Propagation	: 65% min @100 MHz.
Propagation Delay	: 538 ns / 100 mtrs. max. @ 20 deg. C @ 100 MHz.
Delay Skew	: 45 ns /100 mtrs. max. @ 20 deg. C for 1-100 MHz
Mutual Capacitance	: 5.60 nF / 100 mtrs. max. @ 1000 Hz



Comparative Performance : Advantage Finolex

Frequency (Mhz)	Max Attenuation dB/100m @ 20°C		Min. NEXT(dB)		Min. PS NEXT (dB)		Min. EL FEXT ACR-F dB/100m @ 20°C		Min. PS EL FEXT PSACR-F dB/100m @ 20°C		Min. Return Loss(dB)	
	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical	Spec.	Typical
1.00	2.00	1.94	65.30	79.60	62.30	76.00	63.80	67.30	60.80	64.30	20.00	35.40
4.00	4.10	3.90	56.30	70.10	53.30	66.00	51.7	63.80	48.7	60.30	23.00	34.60
8.00	5.80	5.50	51.80	65.80	48.80	61.20	45.70	59.60	42.70	54.70	24.50	38.20
10.00	6.50	6.26	50.30	62.50	47.30	61.70	43.80	57.60	40.80	55.60	25.00	36.20
16.00	8.20	8.01	47.30	61.70	44.4	56.70	39.70	55.80	36.70	52.80	25.00	35.90
20.00	9.30	8.99	45.80	61.40	42.80	58.50	37.7	52.20	34.7	49.10	25.00	37.30
25.00	10.40	10.10	44.30	53.90	41.30	54.30	35.80	47.60	32.80	44.60	24.30	31.80
31.25	11.70	11.38	42.90	55.90	39.90	52.70	33.90	42.60	30.90	47.60	23.60	36.10
62.50	17.00	16.34	36.40	49.80	35.40	47.50	27.8	48.50	24.6	43.80	21.50	33.90
100.00	22.00	20.69	35.30	47.70	32.30	46.50	23.80	43.00	20.80	41.70	20.10	31.10

Finolex

Cables Limited

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While enhancing our capacities in Electrical, Data and Telecommunication cables, the company has augmented its product portfolio by foraying into the manufacture of High Voltage Power Cables, Electrical Switches & Accessories and Lighting products. The tremendous growth of IT and Communications industry in India is a globally recognized fact. We have made rapid advancements in the field of technology and the need for specific and specialized Fibre optics communication solutions in the emerging data communication sectors like Telecommunications, IT / ITES, Medical Tourism, etc. is serviced with our high quality Fibre Optic and Networking Cables.

Today, our product basket includes, Electrical Wires, Industrial Cables, Winding Wires and 3 Core Flat Cables for Submersible Pumps in the agriculture sector, Auto Cables for the automotive industry, Communication Cables like Indoor Telephone Cables, Jelly Filled Telephone Cables, Optic Fibre Cables and Optic Fibre, LAN Cables for networking, Low Voltage, Medium Voltage and High Voltage Power Cables for the Power Industry, Coaxial Cables for the DTH and entertainment industry, Electrical Switches and Accessories, Lighting products including Compact Fluorescent Lamps, T5 Tubes and Fittings, LED lamps among others.

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