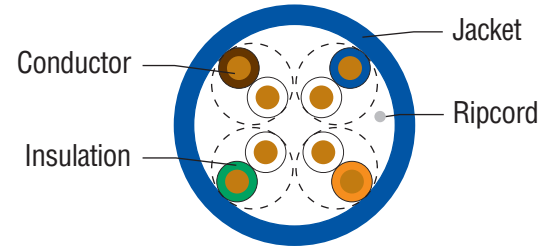


RISER: UL TYPE CMR
PLENUM: UL TYPE CMP
 300 VOLT

COM-Link Category 6 UTP Premise Data Cables



Construction

- Conductor: 23 AWG Solid Bare Copper
- Color Code Per TIA-568-C.2

Insulation

- Plenum: Fluoropolymer
- Riser: Polyolefin

Jacket

- Plenum: Flame-Retardant PVC
- Riser: Low-Smoke, Flame-Retardant PVC

Applications

- Gigabit Ethernet (1000Base-T)
- Multimedia and ISDN
- High-Speed Voice/Data Applications
- 1.2 Gbps Ethernet
- Broadband Video
- Desktop Publishing

Compliances

- ETL Verified ANSI/TIA-568-C.2
- UL Listed Type CMR
- UL Listed Type CMP
- ICEA S-102-700
- NEC Article 800
- California State Fire Marshal
- RoHS Compliant

Part Numbers			Available Put-Ups		
Jacket Color	Riser	Plenum	1,000' Box	1,000' Reel	Bulk Reels
BLUE	38677	38600	X	X	X
WHITE	38678	38601	X	X	X
GRAY	35882	34932	X	X	X
GREEN	35897	34277	X	X	X
YELLOW	35184	34481	X	X	X

Physical Data	Riser	Plenum
Nominal Cable Diameter (inches)	.200	.190
Nominal Cable Weight (lbs./1,000 ft.)	25.0	23.0
Temperature Rating (Celsius)		
Installation:	0 to +60	0 to +60
Operation:	-20 to +75	-20 to +75
Pulling Force (max. lbs.)	32	32

Transmission Throughput

	Char. Impedance	Return Loss	Insertion Loss	NEXT	PSNEXT	ACRF	PSACRF
Freq.	(Ohms)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz)	(+/-15)	(Min.)	(Max.)	(Min.)	(Min.)	(Min.)	(Min.)
1	100	20	2	74.3	72.3	67.8	64.8
4	100	23	3.8	65.3	63.3	55.7	52.7
8	100	24.5	5.3	60.8	58.8	49.7	46.7
10	100	25	6	59.3	57.3	47.8	44.8
16	100	25	7.6	56.3	54.3	43.7	40.7
20	100	25	8.5	54.8	52.8	41.7	38.7
25	100	24.3	9.5	53.3	51.3	39.8	36.8
31.25	100	23.6	10.7	51.9	49.9	37.9	34.9
62.5	100	21.5	15.4	47.4	45.4	31.8	28.8
100	100	20.1	19.8	44.3	42.3	27.8	24.8
125	100	19.4	22.4	42.9	40.9	25.8	22.8
155.52	100	18.8	25.2	41.4	39.4	23.9	20.9
175	100	18.4	26.9	40.7	38.7	22.9	19.9
200	100	18	29	39.8	37.8	21.7	18.7
250	100	17.3	32.8	38.3	36.3	19.8	16.8

Electrical Characteristics

DC Resistance (max.): 9.38
 DC Resistance Unbalance (max.) Individual Pair %: 5.0

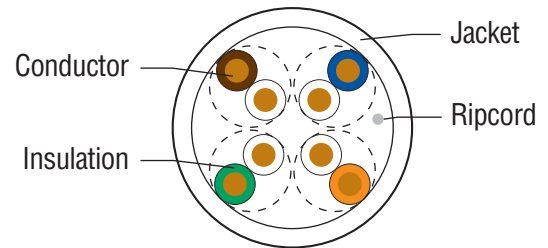
Nominal Velocity of Propagation
 % Speed of Light:
 Plenum: 70 Riser: 68

Characteristic Impedance (Ohms): 100 +/- 15
 Propagation Delay Skew (max.) (ns/100m): 45



COM-Link Category 5e 350 MHz UTP Premise Data Cables

RISER: UL TYPE CMR
PLENUM: UL TYPE CMP
 300 VOLT



Construction

- Conductor: 24 AWG Solid Bare Copper
- Color Code Per TIA-568-C.2

Insulation

- Plenum: Fluoropolymer
- Riser: Polyolefin

Jacket

- Plenum: Flame-Retardant PVC
- Riser: Low-Smoke, Flame-Retardant PVC

Applications

- Gigabit Ethernet (1000Base-T)
- Multimedia and ISDN
- High-Speed Voice/Data Applications
- 1.2 Gbps Ethernet
- Broadband Video
- Desktop Publishing

Compliances

- ETL Verified ANSI/TIA-568-C.2
- UL Listed Type CMR
- UL Listed Type CMP
- ICEA S-90-661
- NEC Article 800
- California State Fire Marshal
- RoHS Compliant

Part Numbers				Available Put-Ups		
Jacket Color	Riser	Plenum	1,000' Box	1,000' Reel	Bulk Reels	
BLUE	32883	32567	X	X	X	
WHITE	32881	32347	X	X	X	
GRAY	32882	32644	X	X	X	
GREEN	38654	32539	X	X	X	
YELLOW	38653	32820	X	X	X	

Physical Data	Riser	Plenum
Nominal Cable Diameter (inches)	.175	.165
Nominal Cable Weight (lbs./1,000 ft.)	18.0	20.0
Temperature Rating (Celsius)		
Installation:	0 to +60	0 to +60
Operation:	-20 to +75	-20 to +75
Pulling Force (max. lbs.)	25.0	25.0

Transmission Throughput

Freq.	Char. Impedance (Ohms)	Return Loss (dB)	Insertion Loss (dB/100m)	NEXT (dB/100m)	PSNEXT (dB/100m)	ACRF (dB/100m)	PSACRF (dB/100m)
(MHz)	(+/-15)	(Min.)	(Max.)	(Min.)	(Min.)	(Min.)	(Min.)
1	100	20	2	65.3	62.3	63.8	60.8
4	100	23	4.1	56.3	53.3	51.7	48.7
8	100	24.5	5.8	51.8	48.8	45.7	42.7
10	100	25	6.5	50.3	47.3	43.8	40.8
16	100	25	8.2	47.3	44.3	39.7	36.7
20	100	25	9.3	45.8	42.8	37.7	34.7
25	100	24.3	10.4	44.3	41.3	35.8	32.8
31.25	100	23.6	11.7	42.9	39.9	33.9	30.9
62.5	100	21.5	17	38.4	35.4	27.8	24.8
100	100	20.1	22	35.3	32.3	23.8	20.8
200	100	18	32.4	30.8	27.8	20	14.7
350	100	16.3	44.8	27.5	24.2	17	9.9

Electrical Characteristics

DC Resistance (max.): 9.38
 DC Resistance Unbalance (max.) Individual Pair %: 5.0

Nominal Velocity of Propagation % Speed of Light:
 Plenum: 72 Riser: 70

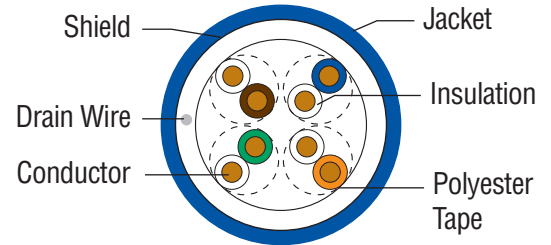
Characteristic Impedance (Ohms): 100 +/- 15
 Propagation Delay Skew (max.) (ns/100m): 45



RoHS Compliant

RISER: UL TYPE CMR
PLENUM: UL TYPE CMP
 300 VOLT

COM-Link Category 5e Shielded Premise Data Cables



Construction

- Conductor: 24 AWG Solid Bare Copper
- Color Code Per TIA-568-C.2
- Polyester Core Wrap
- 24 AWG Tinned Copper Drain Wire
- Aluminum/Polyester (aluminum side in)

Insulation

- Plenum: Fluoropolymer
- Riser: Polyolefin

Jacket

- Plenum: Flame-Retardant PVC
- Riser: Low-Smoke, Flame-Retardant PVC

Applications

- Gigabit Ethernet (1000Base-T)
- Multimedia and ISDN
- High-Speed Voice/Data Applications
- 1.2 Gbps Ethernet
- Broadband Video
- Desktop Publishing

Compliances

- ETL Verified ANSI/TIA-568-C.2
- UL Listed Type CMR
- UL Listed Type CMP
- ICEA S-90-661
- NEC Article 800
- California State Fire Marshal
- RoHS Compliant

Feature

- Shield reduces electromagnetic interference (EMI) for superior performance

Part Numbers

Jacket Color	Riser	Plenum	Available Put-Ups		
			1,000' Box	1,000' Reel	Bulk Reels
BLUE	32070	32854		X	X
WHITE	32906	32648		X	X
GRAY	38676	35973		X	X
GREEN	35905	35903		X	X

Physical Data	Riser	Plenum
Nominal Cable Diameter (inches)	.220	.215
Nominal Cable Weight (lbs./1,000 ft.)	26.0	29.0
Temperature Rating (Celsius)		
Installation:	0 to +60	0 to +60
Operation:	-20 to +75	-20 to +75
Pulling Force (max. lbs.)	25.0	25.0

Transmission Throughput

	Char. Impedance	Return Loss	Insertion Loss	NEXT	PSNEXT	ACRF	PSACRF
Freq.	(Ohms)	(dB)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)	(dB/100m)
(MHz)	(+/-15)	(Min.)	(Max.)	(Min.)	(Min.)	(Min.)	(Min.)
1	100	20	2	65.3	62.3	63.8	60.8
4	100	23	4.1	56.3	53.3	51.7	48.7
8	100	24.5	5.8	51.8	48.8	45.7	42.7
10	100	25	6.5	50.3	47.3	43.8	40.8
16	100	25	8.2	47.3	44.3	39.7	36.7
20	100	25	9.3	45.8	42.8	37.7	34.7
25	100	24.3	10.4	44.3	41.3	35.8	32.8
31.25	100	23.6	11.7	42.9	39.9	33.9	30.9
62.5	100	21.5	17	38.4	35.4	27.8	24.8
100	100	20.1	22	35.3	32.3	23.8	20.8

Electrical Characteristics

DC Resistance (max.): 9.38
 DC Resistance Unbalance (max.) Individual Pair %: 5.0

Nominal Velocity of Propagation
 % Speed of Light:
 Plenum: 70 Riser: 68

Characteristic Impedance (Ohms): 100 +/- 15
 Propagation Delay Skew (max.) (ns/100m): 45



Communications Cables

**PLENUM LOW-SMOKE
PVC JACKET
UL TYPE CMP
C(UL) CMP 300 VOLT**

Applications

- Voice
- 10BaseT
- 100Base VG AnyLAN
- 4 Mbps Token Ring
- 10 Mbps Ethernet
- 55 Mbps ATM
- ISDN
- Low-Speed Data
- RS-232
- ISDN (Basic Rate)
- Intermediate Speed Data

Characteristics

Operating Temperature:

- -10°C to +75°C

Voltage Rating:

- 300 Volts

Color Description:

- Page 36

Product Description:

- Solid Bare Copper
- Insulation: Plenum Low-Smoke PVC
- Ripcord
- Jacket: Plenum Low-Smoke PVC or PVDF
- **32670** - Pairs Cabled with an Overall Aluminum/Polyester Shield and a 24 AWG Solid Tinned Copper Drain Wire

Specifications:

- UL Type CMP
- C(UL) CMP
- Passes NFPA 262 (UL 910) Flame Test
- TIA 568-C.2 Category 3 (4-pair ETL verified)
- RoHS Compliant



Plenum Category 3 Communications Cable

24 AWG Solid Bare Copper				
Part No.	No. of Pairs	Jacket Thickness (inches)	Jacket Color	Nominal Diameter (inches)
32113	2	.014	White	.135
32114	3	.014	White	.148
34757	3	.014	Green	.148
32115	4	.014	White	.165
32222	4	.014	Chrome Gray	.165
34758	4	.014	Green	.165
32628	6	.014	White	.189
32630	12	.014	White	.268
32631	25	.015	White	.375
34765	25	.015	Green	.375
32632	50	.020	White	.539
32633	100	.020	White	.775
32870	200	.050	White	1.041
32871	300	.050	White	1.533
35968	400	.050	White	1.69

Plenum Communications Cable

22 AWG Solid Bare Copper				
Part No.	No. of Pairs	Jacket Thickness (inches)	Jacket Color	Nominal Diameter (inches)
32675	2	.014	White	.150
32676	3	.014	White	.159



Plenum Shielded Communications Cable

24 AWG Solid Bare Copper				
Part No.	No. of Pairs	Jacket Thickness (inches)	Jacket Color	Nominal Diameter (inches)
32670	25	.016	White	.342

**PLENUM LOW-SMOKE
PVC JACKET**
UL TYPE CL3P/FPLP/CMP
C(UL) CMP 300 VOLT

Shielded Sound and Security Cables



Applications

- Intercom/PA Systems
- Sound/Audio Systems

Characteristics

Operating Temperature:

- -10°C to +75°C

Voltage Rating:

- 300 Volts

Color Description:

- Chart A, Page 37

Product Description:

- Stranded Bare Copper
- Insulation: Plenum PVC
- Conductors Cabled with an Overall Aluminum/Polyester Shield and a Drain Wire
- Nylon Ripcord for Ease of Jacket Stripping
- Jacket: Plenum PVC
- Twisted Pairs Cabled with an Overall Aluminum/Polyester Shield and a Drain Wire

Specifications:

- UL Type CL3P/FPLP
- C(UL)US CMP (14 AWG CL3P/FPLP only)
- Passes NFPA 262 (UL 910) Flame Test
- RoHS Compliant

* Color Code: Pair 1, Black/White;
Pair 2, Red/Green

** Color Code: Black, Red

*** Color Code: Pair 1: Black/Red;
Pair 2, Black/White

Shielded Plenum Sound and Security Cable

Part No.	No. of Cond.	Jacket Thickness (inches)	Jacket Color	Nominal Diameter (inches)
18 AWG 7-Strand Bare Copper				
**34853	2	.014	White	.151
38749	2	.014	White	.151
34854	3	.014	White	.161
34855	4	.014	White	.175
34857	6	.014	White	.211
34859	8	.014	White	.230
34861	10	.014	White	.271
16 AWG 19-Strand Bare Copper				
**32172	2	.014	White	.185
32174	4	.014	White	.217
14 AWG 19-Strand Bare Copper				
**32214	2	.014	White	.215

Part No.	No. of Cond.	Jacket Thickness (inches)	Jacket Color	Nominal Diameter (inches)	Operating Temp.
22 AWG 7-Strand Bare Copper					
34869	2	.014	White	.114	-10°C to +60°C
34871	4	.014	White	.130	-10°C to +60°C
34873	6	.014	White	.156	-10°C to +75°C
34875	8	.014	White	.168	-10°C to +75°C

Part No.	No. of Pairs	Jacket Thickness (inches)	Jacket Color	Nominal Diameter (inches)
22 AWG 7-Strand Tinned Copper, Overall Shielded				
***32060	2	.014	White	.164
18 AWG 7-Strand Bare Copper, Individually Shielded				
*32708	2	.014	White	.223

