

Section 11.

Voice & Data Cable



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Specifications subject to change. For complete specifications and availability visit www.lapptannehill.com

Voice & Data Category 3

Construction: Solid bare copper conductors. **Insulation:** Polypropylene insulation.

Jacket: Sunlight Resistant PVC jacket with ripcord under jacket and sequential footage markings. Jacket colors: white, gray.

Features:

Available in 1000 ft speed box.

Applications:

Voice and Low Speed Data.

Additional Information:

OK for Power-Limited Circuits except those in Plenums.

Technical Data:

UTP cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms.

 **Temperature:**
60°C

 **Rated Voltage:**
300V

 **Color Code:**
Chart 5

 **Approvals:**
Verified by ETL to TIA/EIA 568-B.2
Category 3 performance.



VOICE & DATA CATEGORY 3, GENERAL PURPOSE

PART NUMBER	AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
CM22/2-1NL5E	22	2	100	UTP	.175	17	CM, CL2	14 (LBS)	4930
CM24/2-1NL5E	24	2	100	UTP	.145	17	CM, CL2	11 (LBS)	4931
CM24/3-1NL5E	24	3	100	UTP	.141	17	CM, CL2	15 (LBS)	4932
CM24/4-1NL5E	24	4	100	UTP	.170	17	CM, CL2	19 (LBS)	4933
CM24/6-1NL5E	24	6	100	UTP	.207	17	CM, CL2	26 (LBS)	4934

VOICE & DATA CATEGORY 3, RISER RATED

PART NUMBER	AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
PVC24/2P-1NL5E	24	2	100	UTP	.150	17	FT4, CMR, CL2R	12 (LBS)	5031
PVC24/3P-1NL5E	24	3	100	UTP	.160	17	FT4, CMR, CL2R	14 (LBS)	5032
PVC24/4P-1NL5E	24	4	100	UTP	.170	17	FT4, CMR, CL2R	19 (LBS)	5033
PVC24/6P-1NL5E	24	6	100	UTP	.207	17	FT4, CMR, CL2R	26 (LBS)	5034

VOICE & DATA CATEGORY 3, PLENUM RATED

PART NUMBER	AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
PVC24/2P-1NL3B	24	2	100	UTP	.165	17	FT6, CMP, CL2P	14 (LBS)	5041
PVC24/3P-1NL3B	24	3	100	UTP	.175	17	FT6, CMP, CL2P	18 (LBS)	5042
PVC24/4P-1NL3B	24	4	100	UTP	.190	17	FT6, CMP, CL2P	23 (LBS)	5043
PVC24/6P-1NL3B	24	6	100	UTP	.215	17	FT6, CMP, CL2P	33 (LBS)	5044*

*Cross-Connect wire is available upon request

Complete catalog available online at: www.lapptannehill.com

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Voice & Data Cable

Voice & Data Category 5e

Construction: Solid bare copper conductors. **Insulation:** Polypropylene insulation.

Jacket: PVC jacket with ripcord under jacket and COUNTDOWN™ footage marking.
Jacket colors: White, blue, yellow, orange, red, green, gray, pink, beige, and black.

Features:

Available in 1000 ft speed box or reel-in-a-box.

Applications:

Voice, 10/100 Mb/S Ethernet, 4/16 Mb/S Token Ring, FDDI TP-PMD, 155 Mb/S ATM and Gigabit Ethernet.

Additional Information:

OK for Power-Limited Circuits, except those in Plenums.

Technical Data:

Maximum attenuation at 100 MHz: 22 db/100 M. Minimum PSNEXT at 100 MHz: 32 db. Tested to 350 MHz.



Temperature:
75°C



Rated Voltage:
300V



Color Code:
Chart 5



Approvals:

- Category 5e unshielded twisted pair (UTP) cable, riser communication (CMR)
- ETL Verified to TIA/EIA 568-B.2 Category 5e

VOICE & DATA CATEGORY 5E, RISER RATED (Tested to 350 MHz)

PART NUMBER	AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
PVC24/4P-1NL5E-X	24	4	100	UTP	.200"	15	FT4, CMR, CL2R	21 (LBS)	5078
PVC24/4PD-1NL5E-X	24	Dual 4	100	UTP/UTP	.410"	15	FT4, CMR, CL2R	43 (LBS)	5079*

*Consult Lapp Tannehill for availability.

VOICE & DATA CATEGORY 5E, PLENUM RATED (Tested to 200 MHz)

PART NUMBER	AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
CMP24/4P-1NL5E-X	24	4	100	UTP	.200"	15	FT6, CMP, CL2P	27 (LBS)	5088
CMP24/4PD-1NL5E-X	24	Dual 4	100	UTP/UTP	.410"	15	FT6, CMP, CL2P	55 (LBS)	5089*

*Consult Lapp Tannehill for availability.

Voice & Data Water Resistant Category 5e

Construction: Solid bare copper conductors. **Insulation:** Polypropylene.

Jacket: Black Sunlight Resistant LLDFPE jacket.

Features:

4 pair Category 5e unshielded twisted pair (UTP) cable with a moisture absorption water blocking tape.
Available in 1000 ft and 500 ft reels only.

Applications:

Voice 10/100/1000 Mb/S Ethernet, 4/16 Mb/S Token Ring, FDDI TP-PMD, 155 Mb/s ATM and Gigabit Ethernet.

Technical Data:

Intended for Conduit or Wet Location Applications.

UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms.



Temperature:
80°C



Rated Voltage:
300V



Color Code:
Blue & white/blue, orange & white/orange,
green & white/green, brown & white/brown

VOICE & DATA WATER RESISTANT CATEGORY 5E

PART NUMBER	AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
PVC24/4P-1NL5E-OWR	24	4	100	UTP	.200"	15	N/A	21 (LBS)	5090*

*product available in direct burial

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Voice & Data Category 6 Plus

Construction: Solid bare copper conductors. **Insulation:** Polypropylene insulation, FR polyolefin spacer.

Jacket: PVC jacket with ripcord under jacket and sequential footage markings.

Standard Jacket Colors: white, blue, green. Also available in yellow, orange, and gray for some packaging options.

Features:

Available in 1000 foot RIB or Spools. Ripcord and Sequential Footage Markings.

Applications:

Voice 10/100/1000 Mb/S Ethernet, FDDI TP-PMD, 155 Mb/S ATM and 1/10 Gigabit Ethernet.

Technical Data:

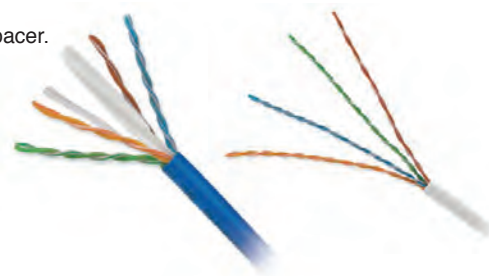
UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms.

 **Temperature:**
75°C

 **Rated Voltage:**
300V

 **Color Code:**
Chart 5

 **Approvals:**
ETL Verified to TIA/EIA-568-B-2.1 requirements.



VOICE & DATA CATEGORY 6 PLUS, RISER RATED (TESTED TO 500 MHz)

PART NUMBER	AWG	#/PAIRS	TYPE	NOM. O.D.	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
PVC23/4P-1NL6-X	23	4	UTP	.240	FT4, CMR, CL2R	22 (LBS)	5092

*Dielectric Separator Between Pairs

VOICE & DATA CATEGORY 6 PLUS, PLENUM RATED (TESTED TO 500 MHz)

PART NUMBER	AWG	#/PAIRS	TYPE	NOM. O.D.	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
CMP23/4P-1NL6-X	23	4	UTP	.240	FT6, CMP, CL2P	25 (LBS)	5102

*Dielectric Separator Between Pairs

VOICE & DATA CATEGORY 6 PLUS, SPINELESS RISER RATED (TESTED TO 350 MHz)

PART NUMBER	AWG	#/PAIRS	TYPE	NOM. O.D.	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
PVC23/4PS-1NL6-X	23	4	UTP	.210	FT4, CMR, CL2R	25 (LBS)	6360

*Jacket colors: white, blue available in 1000ft RIB only

VOICE & DATA CATEGORY 6 PLUS, SPINELESS, PLENUM RATED (TESTED TO 350 MHz)

PART NUMBER	AWG	#/PAIRS	TYPE	NOM. O.D.	LISTINGS	AVG. WT. PER MFT	MFGR. PIN#
CMP23/4PS-1NL6-X	23	4	UTP	.205	FT6, CMP, CL2P	25 (LBS)	6361

*Jacket colors: white, blue available in 1000ft RIB only

Conductor Color Code Charts

CHART 5 — VOICE AND DATA CABLES

PAIR	COLOR/STRIPES	PAIR	COLOR/STRIPES
1	BLU + WHT/BLU	3	GRN + WHT/GRN
2	ORG + WHT/ORG	4	BRN + WHT/BRN

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Profusion™ Multimedia Cables

Construction: Various combinations of Cat 5e, RG6/U, Optical Fiber. **Insulation:** See below.

Jacket: No jacket.

Features:

- Cables are held together by a revolutionary twisting method.
- Easy installation just tape the end and pull.
- Individual cables effortlessly detach, unlike other jacketless bundled constructions.
- Lighter, more flexible and has a smaller over-all diameter than other bundled constructions.
- Cables are performance tested after bundling.
- Jacketless design saves valuable time for the installation professional, eliminating the need to remove an outer jacket.
- Eliminates cold weather cracking problems of other bonded constructions.
- No degradation of performance.
- Multiple constructions available.

Applications:

Honeywell Genesis Series Profusion™ bundled cables; the simplest, most cost effective solution for bundled cable applications. This new bundled cable technology eliminates the need for an outer jacket. The Profusion twist scheme holds the cables together without any binder tapes or adhesive materials. The twisting method prevents any deterioration of the original cable's performance.



Technical Data:

 **Temperature:** -20° to 60°C

 **Rated Voltage:** 300V

 **Color Code:** See individual spec sheets.

 **Approvals:**

- Third party (UL or ETL) verified and listed.
- Cat 5e Cables Tested to 350 MHz.
- Coaxial Cables Tested to 3 GHz

GENERAL PURPOSE – CM, CL2 LISTED

PART NUMBER	# CATEGORY	CATEGORY	# COAX	COAX	# FIBER	FIBER	NOM. O.D. (IN)	AVEG. WT PER MFT (LBS)	MFG. PIN#
GSS5060	2	5e	2	RG6/U CCS QUAD	None	N/A	0.600	116	5060
GSS5950	2	5e	2	RG6/U BC QUAD	2	FDDI	0.650	132	5950
GSS5956	2	6	2	RG6/U BC QUAD	2	FDDI	0.700	132	5956
GSS5957	2	6	2	RG6/U BC QUAD	None	N/A	0.700	150	5957

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