

Honeywell Cable Catalog



SECURITY, FIRE, HOME THEATER, SOUND,
CCTV, CATV, VOICE AND DATA AND
THERMOSTAT WIRE

Genesis Series Low Voltage Cable

Honeywell

Welcome

Dear Industry Professional,

Welcome to Honeywell's Genesis Series Cable Catalog. Throughout this catalog you will find an outstanding selection of low voltage cables, interconnects and accessories.

Honeywell's cable line is continuously growing. At the same time, we focus on our promise of quality, technology and commitment explained in the pages to follow. We are always working on improving existing products while introducing new ones that can help you grow your business.

Recent developments include:

Improved Packaging and Labeling:

- We now provide color-coded boxes and wrap-around labels for our cable products which aid in the identification of the cable
- To ease the installation process, we have improved our cable legends which now include room and zone markings as well as our countdown footage marking system

New A/V Cables, Interconnects and Accessories:

- Our new 7000 Series HDMI Cables include Eye Pattern test results in the packaging
- A complete new line of interconnects has been introduced including **CURÆ Light™ Technology**, RCA Audio Cables, and RGBHV Video Cables
- The HDMI Restorer, Tester and Diagnostic Unit are just a few of the new accessories we now have to offer

All of our products, helpful resources and a download of this complete catalog are available on our website www.honeywellcable.com. We hope you enjoy exploring all we have to offer, and we thank you for your support.



Genesis Series Cable Products

Honeywell's Genesis Series Cables are produced in the newest wire and cable plant in North America, utilizing state-of-the-art technology and production equipment. Genesis Series Cables are available for a full range of applications.

Applications:

- Alarm & Security
- Access Control
- Telephone/Fax
- High Speed Internet
- Environmental Control
- Home Theater
- Whole House Audio
- CATV/CCTV
- Satellite
- Computer Networking
and More!

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Genesis Series Cable

Genesis Series Low Voltage Cables are produced with innovative equipment and technology in a state-of-the-art facility. This leading edge production facility enables Honeywell to produce the highest quality Security, Fire, Sound, Video, Voice and Data wire and cable in the most focused facility in North America.

In addition to operating the premier manufacturing facility in our industry, Genesis Series Cables are produced by an experienced team. The management team has spent their entire career in the wire and cable industry, representing over 80 years of wire and cable experience. Furthermore, virtually all supervisors and line operators boast similar longevity in the wire business, exhibiting an uncompromising dedication to their craft.



Quality... unsurpassed equipment, the most experienced people and the finest raw materials, combine to create the highest quality products in the industry. We are so confident in Genesis Series products that we offer the most comprehensive guarantee in the industry. If any Genesis Series product fails to perform to our specification, during the life of any original installation, we will replace the cable — three spools or boxes for one. No one else in the industry makes that guarantee.



Technology... Genesis Series Cables are the highest quality and most cost effective cables in our industry. By understanding the needs of our customers, Genesis Series Cables deliver real value. All of our products exceed the industry standards of Underwriters Laboratories, ETL, EIA/TIA, the Canadian Standards Association (where applicable), the National Electric Code and the NFPA.

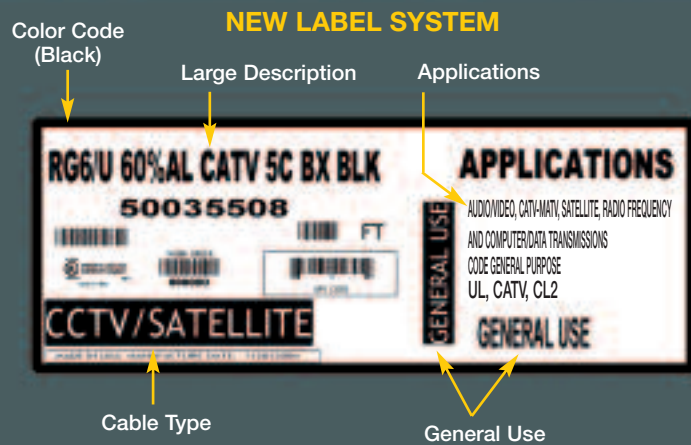


Commitment... Honeywell has brought together every conceivable resource to ensure that Genesis Series Low Voltage Cables deliver ultimate value to our customers. This means the highest standards of service, quality and efficiency, all backed by our limited lifetime warranty. Our commitment goes beyond our products, extending to our distributors and our loyal customers.

New Improved Packaging & Labeling

Genesis Series Cable now has color-coded boxes and wrap-around labels that offer the following benefits:

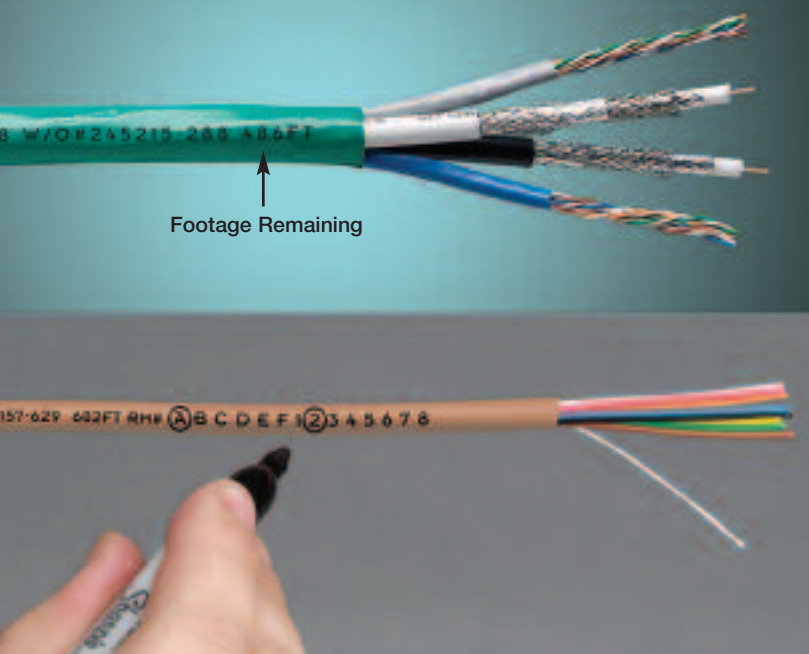
- Color-coded boxes for easy identification of cable type
- Larger, descriptions for easier identification of specific cable constructions
- Visible Plenum/Riser/General Purpose identification to help avoid costly accidental shipments of improper rated cable
- New application section on label for additional help with identification of the proper cable

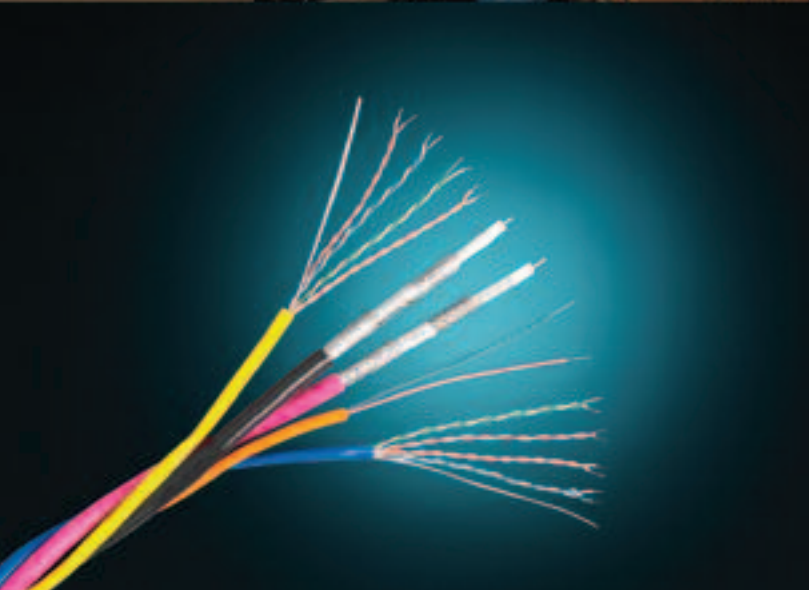
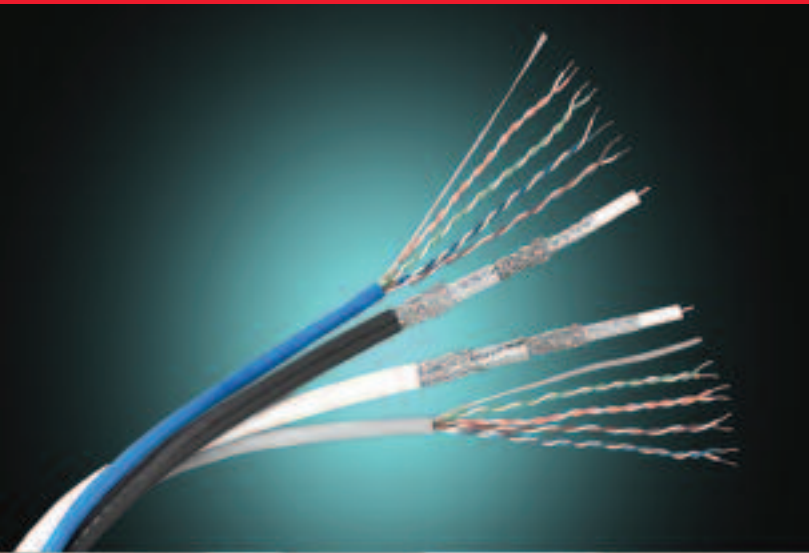


New Cable Legends, Now with Countdown™ Footage Markings

Honeywell Genesis Series Cable has improved its cable legends with the addition of room and zone markings as well as our countdown footage marking system.

- Countdown™ footage markings allow installers to continuously track the amount of cable they have remaining
- Convenient new room and zone markings give installers flexibility by allowing them to easily mark and identify the cable
- Minimizes any testing that is required to confirm or identify a non-labeled cable



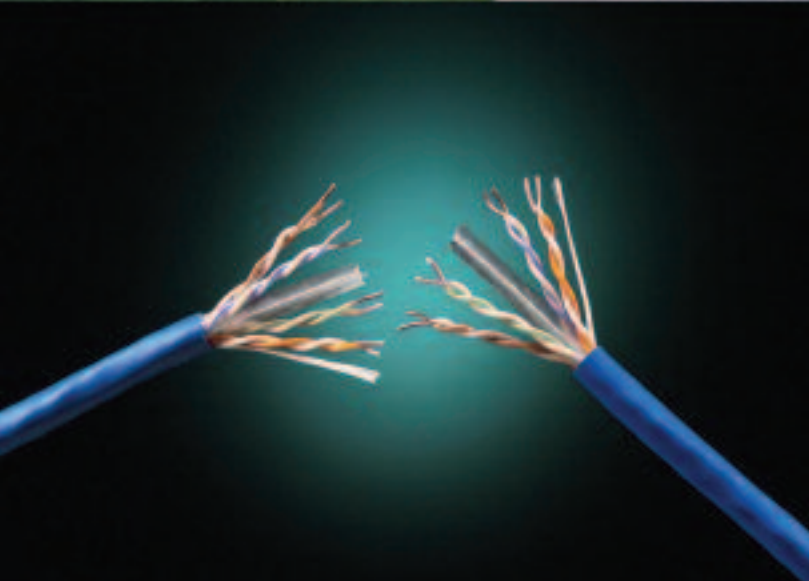


Profusion Cables

Introducing 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. Individual cables are held together by a revolutionary tight, continuous twist scheme. The Profusion twist scheme holds the cables together without any binder tapes or adhesive materials. Our twisting method prevents any deterioration of the original cable's performance.

Profusion's unique design lets installers separate the individual components effortlessly while reducing cold weather cracking and flexibility problems. These cables can support voice, data, video and other options.

- 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
- No degradation of performance
- Multiple constructions available
- UL/ETL listed and tested
- 100% Guaranteed



Future Proof Your Installations with Category 6

Why Install Category 6 In Your Home?

- Cat 6 bandwidth is 2.5 times that of Cat 5e
- Cat 6 has 40% less signal loss than Cat 5e
- Cat 6 has 100 times lower signal to noise ratio than Cat 5e
- Cat 6 is built to support 10 times faster speeds
- Cat 5e can only transport compressed HDTV signals
- Cat 6 can transport uncompressed HDTV signals running at 1.2 GHz!
- As applications with digital and data rates increase, Cat 6 will be able to handle them
- Tests of standard Cat 6 have verified that it can reliably transport 10 GHz data over 55 meters (180 feet)
- TIA-570-B Residential Infrastructure Telecommunications Standard recommends that Cat 6 be installed in residential applications
- Category 6 will “future-proof” a home for its lifetime!

pixel perfect



TV the Way it Was Meant to Be Seen

Everyone knows that a crisp, clear television picture can envelop a viewer and heighten the overall home theater experience. Thanks to Honeywell's new HDMI Restorer and Diagnostics Unit with CURE Light™ Technology, your customers can view TV the way it's meant to be seen...in brilliant, eye-popping detail!

It solves the most common problems today's installers face, including pixel drop out, audio clipping—even total signal loss. Full, 1080p pristine HD video and audio can be delivered up to 30 meters. What's more, upstream and downstream problems with HDMI and HDCP compliance can even be diagnosed for quick and easy troubleshooting.

Honeywell's HDMI solutions. It's picture-perfect thinking from a name you can trust.

Honeywell

For additional information, please call **1-800-467-5875**, or visit **www.honeywell.com/security**

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Security & Control Cables

Our multi-conductor cables are manufactured in a wide variety of gage sizes, shielding configurations and jacketing materials including plenum, riser and general purpose. Applications for these cables include control cables (Lutron Systems & Crestron Systems), alarms, intercoms, speakers and other low voltage circuits that are power limited.

Features:

- Countdown
- New Labeling System on Boxes
- Color Coded Boxes
- Zone and Room Markings



Article 725/800*

Class 1, Class 2, and Class 3 remote-control, signaling and power limited circuits that are not an integral part of a device or appliance.

The scope of this article may include systems such as burglar alarm, access control, sound, nurse call, intercom circuits, some computer network systems, some control circuits for lighting dimmer systems, and some low voltage control circuits that originate from listed computer equipment.

General Purpose Cable: **Type CM, CL2, CMR, CL2R, CMP, CL2P.** Cables may be dual rated **CM/CL2, CMR/CL2R, CMP/CL2P.**

**See Article 800 for more information.*

SECURITY & CONTROL CABLES

Control Cables for Crestron Systems

Honeywell Genesis Series Cable offers specialized control cables for Crestron Systems. These bundled cables facilitate fast and easy wiring for Crestron AV distribution switchers, room solution boxes, intercoms and touch panels. The constructions with RG6 cable allow for distribution of CATV, satellite, broadband or modulated video.



ARTICLE 725

CONTROL CABLES FOR CRESTRON SYSTEMS

COMPARABLE TO	DESCRIPTION	JACKET COLOR	NOM. O.D.	AVG. WT. PER MFT	PART#
CRESCAT-NP					
Control Cable	22/1pr Low Cap + 18/2	Teal/Red Stripe	.485	78 (LBS)	1270
Data Cable	CAT 5e 350 MHz				
CRESCAT-D-NP					
Control Cable	22/1pr Low Cap + 18/2	Teal/Black Stripe	.530	105 (LBS)	1278
Data Cable	2 X CAT 5e 350 MHz				
CRESCAT-Q-NP					
Control Cable	22/1pr Low Cap + 18/2	Teal/White Stripe	.680	145 (LBS)	1279
Data Cable	4 X CAT 5e 350 MHz				
CRESCAT-DC-NP					
Control Cable	22/1pr Low Cap + 18/2	Teal/Orange Stripe	.800	194 (LBS)	1272
Data Cable	2 X CAT 5e 350 MHz				
Coax Cable	2 X RG6 BC Quad Shielded				

DESIGNED FOR USE WITH CRESTRON TOUCH PANELS, KEYPADS, EXPANSION MODULES, TUNERS AND MORE.

COMPARABLE TO	DESCRIPTION	JACKET COLOR	NOM. O.D.	AVG. WT. PER MFT	PART#
CRESNET-NP					
Control Cable	22/1pr Low Cap + 18/2 Power	Blue/Yellow Stripe	.280	33 (LBS)	1244

DESIGNED TO PROVIDE A SIGNAL-CABLE SOLUTION FOR WIRING OF MEDIA SYSTEMS.

COMPARABLE TO	DESCRIPTION	JACKET COLOR	NOM. O.D.	AVG. WT. PER MFT	PART#
CRESCAT-IM-P					
Control Cable	24/4pr Category 5e 100 MHz CMP	Blue	.200	27 (LBS)	5088

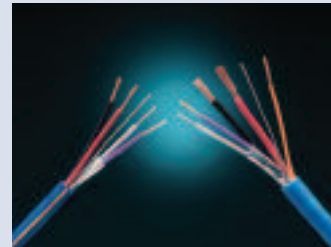
Dimmer Control Cable

Control Cable	22/1pr	Gray	.120	13 (LBS)	1202
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Control Cables for Lutron

Honeywell Genesis Series Cable offers specialized lighting control cables for Lutron systems. These cables are specifically designed to meet the Lutron cable standards.

Honeywell's Genesis Series Cable provides a full range of low voltage cables for security, fire, sound, video, home theater, structured cabling, voice & data and other low voltage cable applications.



ARTICLE 725

CONTROL CABLES FOR LUTRON

STYLE	CONSTRUCTION	JACKET COLOR	SHIELD	LISTING	PART#
HomeWorks Dimmer & Switch	18/2 STR 16/30 BC	Gray	Aluminum Mylar TC Drain	CM	1214
HomeWorks Dimmer & Switch	18/4 STR 16/30 BC	Gray	Aluminum Mylar TC Drain	CM	1215
Vareo Dimmer & Switch	22/2 STR 7/30 BC	Gray	Aluminum Mylar TC Drain	CM	1202
Keypad Data/Grafik Eye 3000	22/1pr Low Cap Data 18/2 Power	Blue/Yellow Stripe	22/1pr Aluminum Mylar TC Drain	CM	1244
Grafik Eye 4000/6000	22/1pr Low Cap Data 12/2 Power 18/1 Ground	Blue	22/1pr Aluminum Mylar TC Drain	CM	1260
Sovoia Shades	18/4 BC 16/2 BC 18/1 BC	Blue /Red Stripe	Aluminum Mylar None None	CM	1287
HomeWorks Dimmer & Switch	18/2 STR 16/30 BC	White	Aluminum Mylar TC Drain	CMP	3214
HomeWorks Dimmer & Switch	18/4 STR 16/30 BC	White	Aluminum Mylar TC Drain	CMP	3215
Vareo Dimmer & Switch	22/2 STR 7/30 BC	White	Aluminum Mylar TC Drain	CMP	3202

Control Cables for Echelon® Lonworks®

Echelon® Lonworks® Approved Wire

Echelon supplies infrastructure hardware and software to the rapidly growing networking market. Echelon Lonworks systems are installed in buildings, factories, utilities and houses allowing users to remotely connect, monitor and diagnose intelligent devices. Echelon Lonworks solutions enable multiple key building systems used for security, lighting, elevator and HVAC to be integrated into a single smart building.



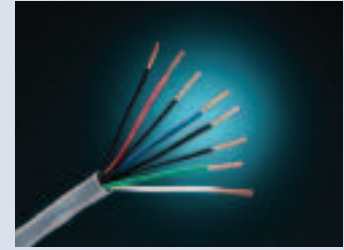
HONEYWELL GENESIS SERIES – LEVEL 4 CABLES APPROVED FOR ECHELON LONWORKS

AWG	CONDUCTORS	LISTING	PART #
22	1 Pair Stranded Bare Copper, Unshielded	CM, CL2	1061
22	2 Pair Stranded Bare Copper, Unshielded	CM, CL2	1062
22	1 Pair Stranded Bare Copper, Shielded	CM, CL2	1063
22	2 Pair Stranded Bare Copper, Overall Shield	CM, CL2	1064
22	1 Pair Stranded Bare Copper, Unshielded	CMP, CL2P	3252
22	2 Pair Stranded Bare Copper, Unshielded	CMP, CL2P	3253
22	1 Pair Stranded Bare Copper, Shielded	CMP, CL2P	3254
22	2 Pair Stranded Bare Copper, Overall Shield	CMP, CL2P	3255

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Jacketed Cables Unshielded

- Applications:** Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available In 500 foot or 1000 foot. Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Polypropylene Insulation, Flexible Polyvinyl-Chloride Jackets. Standard Jacket Color: Gray. Conductor Color Code, Chart 1 (up to 12 conductors). Color Code Chart 2 (13 conductors and over).



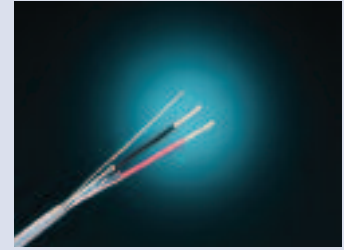
JACKETED CABLES UNSHIELDED 60° C

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
24	4	SOL.	.105	14	CM, CL2	10 (LBS)	1140+
22	2	SOL.	.104	16	CM, CL2	8 (LBS.)	1101*
22	2	STR.	.114	16	CM, CL2	9 (LBS.)	1102*
22	4	SOL.	.116	16	CM, CL2	14 (LBS.)	1103*#
22	4	STR.	.133	16	CM, CL2	15 (LBS.)	1104*
22	5	STR.	.145	16	CM, CL2	19 (LBS.)	1105*
22	6	SOL.	.140	16	CM, CL2	19 (LBS.)	1106*
22	6	STR.	.158	16	CM, CL2	21 (LBS.)	1107*
22	8	SOL.	.152	16	CM, CL2	25 (LBS.)	1108
22	8	STR.	.172	16	CM, CL2	28 (LBS.)	1109
22	10	SOL.	.174	16	CM, CL2	29 (LBS.)	1110
22	10	STR.	.200	16	CM, CL2	33 (LBS.)	1111
22	12	SOL.	.182	16	CM, CL2	35 (LBS.)	1112
22	12	STR.	.204	16	CM, CL2	40 (LBS.)	1113
20	4	STR.	.155	17	CM, CL2	22 (LBS.)	1117
18	2	STR.	.148	18	CM, CL2	18 (LBS.)	1118
18	2	SOL.	.136	18	CM, CL2	16 (LBS.)	1138
18	3	STR.	.159	18	CM, CL2	24 (LBS.)	1130
18	4	STR.	.172	18	CM, CL2	30 (LBS.)	1119
18	6	STR.	.206	18	CM, CL2	44 (LBS.)	1120+
18	8	STR.	.225	18	CM, CL2	55 (LBS.)	1121+
18	10	STR.	.270	18	CM, CL2	70 (LBS.)	1122+
18	12	STR.	.277	18	CM, CL2	80 (LBS.)	1123+
16	2	STR.	.172	19	CM, CL2	24 (LBS.)	1125
16	4	STR.	.202	19	CM, CL2	44 (LBS.)	1126+
14	1	SOLID INSULATED GROUND WIRE				18 (LBS.)	1131+
14	2	STR.	.208	21	CM, CL2	37 (LBS.)	1127+
12	2	STR.	.264	21	CM, CL2	55 (LBS.)	1129+

*Not Twisted
 #Color Code = Black, Red, Green, Yellow
 +Spools Only
 MFT=1000 FT.

Jacketed Cables Shielded (Overall Shield)

- Applications:** Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available In 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Twisted Copper Conductors, Polypropylene Insulation, Aluminum/Mylar Shield, with Drain Wire, Flexible Polyvinyl-Chloride Jackets. Standard Jacket Color: Gray. Conductor Color Code Chart 1 (up to 12 conductors). Color Code Chart 2 (13 conductors and over).



ARTICLE 725

JACKETED CABLES SHIELDED, (OVERALL SHIELD) 60° C

AWG #/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	STR.	.120	33	CM, CL2	13 (LBS.) 1202
22	4	STR.	.139	33	CM, CL2	18 (LBS.) 1204
22	6	STR.	.166	33	CM, CL2	25 (LBS.) 1206
22	8	STR.	.174	33	CM, CL2	30 (LBS.) 1207
22	10	STR.	.210	33	CM, CL2	36 (LBS.) 1208
22	12	STR.	.210	33	CM, CL2	42 (LBS.) 1209
20	2	STR.	.138	37	CM, CL2	16 (LBS.) 1212
20	3	STR.	.144	37	CM, CL2	21 (LBS.) 1227
20	4	STR.	.159	37	CM, CL2	24 (LBS.) 1213
18	2	STR.	.154	43	CM, CL2	20 (LBS.) 1214
18	3	STR.	.161	41	CM, CL2	27 (LBS.) 1228
18	4	STR.	.178	43	CM, CL2	32 (LBS.) 1215
18	6	STR.	.210	43	CM, CL2	45 (LBS.) 1216
18	8	STR.	.230	43	CM, CL2	59 (LBS.) 1217 +
18	10	STR.	.270	43	CM, CL2	63 (LBS.) 1218 +
18	12	STR.	.283	43	CM, CL2	86 (LBS.) 1219 +
18	15	STR.	.307	43	CM, CL2	104 (LBS.) 1220 +
16	2	STR.	.178	43	CM, CL2	32 (LBS.) 1221
16	3	STR.	.184	43	CM, CL2	41 (LBS.) 1229
16	4	STR.	.202	46	CM, CL2	44 (LBS.) 1222 +
14	2	STR.	.214	46	CM, CL2	45 (LBS.) 1223 +
14	3	STR.	.222	46	CM, CL2	60 (LBS.) 1230

+Spools Only
MFT=1000 FT.

Multi-Pair Unshielded

- Applications:** Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Polypropylene Insulation, Conductors arranged in pairs, Flexible Polyvinyl-Chloride Jackets. Standard Jacket Color: Gray. Conductor Color Code Chart 3.



MULTI-PAIR UNSHIELDED 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.160	16	CM, CL2	15 (LBS.)	1248**
22	2	STR.	.178	16	CM, CL2	18 (LBS.)	1234
22	3	SOL.	.172	16	CM, CL2	19 (LBS.)	1235
22	6	SOL.	.226	16	CM, CL2	36 (LBS.)	1238
18	2	STR.	.240	17	CM, CL2	40 (LBS.)	1245
18	3	STR.	.260	17	CM, CL2	47 (LBS.)	1246
18	4	STR.	.290	17	CM, CL2	59 (LBS.)	1247+

*1 Pair Shielded 1 Pair Unshielded
 **Color code=Red/Green, Black/Yellow
 +Spools Only
 MFT=1000 FT.

Multi-Pair Shielded (Each Pair Shielded)

- Applications:** Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available In 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Twisted Copper Conductors, Polypropylene Insulation, Conductors are arranged in pairs; Aluminum/Mylar Shield applied overall each assembled pair, with Drain Wire for each pair, Flexible Polyvinyl-Chloride Jackets. Standard Jacket Color: Gray. Conductor Color Code Chart 3.



ARTICLE 725

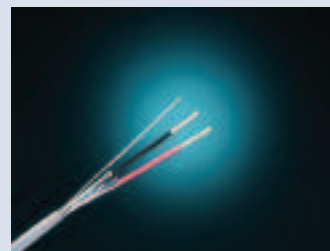
MULTI-PAIR SHIELDED (EACH PAIR SHIELDED) 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.170	33	CM, CL2	22 (LBS.)	1263
22	2	STR.	.192	33	CM, CL2	23 (LBS.)	1264
22	3	STR.	.197	33	CM, CL2	31 (LBS.)	1266
18	2	STR.	.252	45	CM, CL2	41 (LBS.)	1273
18	3	STR.	.268	45	CM, CL2	56 (LBS.)	1274
18	4	STR.	.300	45	CM, CL2	72 (LBS.)	1275+

+Spools Only

Multi-Pair Shielded (Overall Shield)

- Applications:** Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.
- Code Restrictions:** OK for use with for all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Polypropylene Insulation, Aluminum/Mylar Shield with Drain Wire, Flexible Polyvinyl-Chloride Jackets. Standard Jacket



MULTI-PAIR SHIELDED (OVERALL SHIELD) 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.165	33	CM, CL2	19 (LBS.)	1280
22	3	SOL.	.178	33	CM, CL2	26 (LBS.)	1282
18	2	STR.	.248	40	CM, CL2	36 (LBS.)	1289
18	3	STR.	.265	40	CM, CL2	51 (LBS.)	1290+
18	4	STR.	.295	40	CM, CL2	64 (LBS.)	1291+

+Spools Only

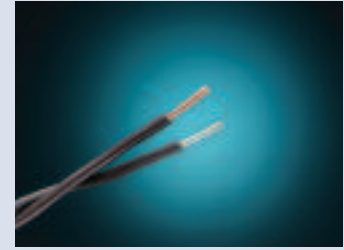
Unjacketed Twisted Cables

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.

Code Restrictions: OK for use with all Power-Limited Circuits except those in Risers and Plenums.

Features: Available In 500 foot or 1000 foot Spools or Reel-in-a-Box with Dispensing System.

Construction: One TC (Tinned Copper) Conductor, Ribbed for Polarity; and one Smooth BC (Bare Copper Conductor); PVC Insulation. Colors Available: Brown/Brown, White/White.



UNJACKETED TWISTED CABLES 60° C

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	STR.	.147	14	CM, CL2	10 (LBS.)	1051+
20	2	STR.	.165	16	CM, CL2	15 (LBS.)	1052+
18	2	STR.	.183	17	CM, CL2	20 (LBS.)	1053+

- + Spools Only
- Consult factory for availability.

Zipcord

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited.

Code Restrictions: OK for use with all Power-Limited Circuits except those in Risers and Plenums.

Features: Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, One Conductor Ribbed for Polarity, Flexible Polyvinyl-Chloride Jackets. Standard Colors: White, Brown, or Clear.



ZIPCORD 60° C

AWG	#/COND	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
24	2	STR	.068 x .145	12	CL2, C(UL), CMG	9 (LBS.)	1001•
22	2	STR	.074 x .164	15	CL2, C(UL), CMG	9 (LBS.)	1002
20	2	STR	.083 x .180	18	CL2, C(UL), CMG	17 (LBS.)	1003•
18	2	STR	.090 x .190	20	CL2, C(UL), CMG	18 (LBS.)	1004
16	2	STR	.100 x .200	22	CL2, C(UL), CMG	24 (LBS.)	1005

- Consult factory for availability.

Jacketed Cables Unshielded, Riser Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.

Code Restrictions: OK for use with all Power-Limited Circuits, except those in Plenums.

Features: Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, Polypropylene Insulation, Flexible Polyvinyl-Chloride Jackets. Standard Jacket Color: Gray. Conductor Color Code Chart 1 (up to 12 conductors). Color Code Chart 2 (13 conductor and over).



JACKETED CABLES UNSHIELDED, RISER RATED 60° C

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.106	16	C(UL), FT4, CMR, CL2R	9 (LBS.)	2101*
22	2	STR.	.116	16	C(UL), FT4, CMR, CL2R	11 (LBS.)	2102*
22	4	SOL.	.120	16	C(UL), FT4, CMR, CL2R	14 (LBS.)	2103*#
22	4	STR.	.135	16	C(UL), FT4, CMR, CL2R	16 (LBS.)	2104*
22	5	STR.	.145	16	C(UL), FT4, CMR, CL2R	18 (LBS.)	2105*
22	6	STR.	.158	16	C(UL), FT4, CMR, CL2R	21 (LBS.)	2106*
22	8	STR.	.174	16	C(UL), FT4, CMR, CL2R	28 (LBS.)	2107
22	10	STR.	.202	16	C(UL), FT4, CMR, CL2R	35 (LBS.)	2108
22	12	STR.	.208	16	C(UL), FT4, CMR, CL2R	37 (LBS.)	2109
22	15	STR.	.232	16	C(UL), FT4, CMR, CL2R	44 (LBS.)	2110+•
20	2	STR.	.136	16	C(UL), FT4, CMR, CL2R	14 (LBS.)	2112
20	4	STR.	.157	16	C(UL), FT4, CMR, CL2R	22 (LBS.)	2113
18	2	STR.	.150	18	C(UL), FT4, CMR, CL2R	18 (LBS.)	2114
18	4	STR.	.174	18	C(UL), FT4, CMR, CL2R	30 (LBS.)	2115
18	6	STR.	.208	18	C(UL), FT4, CMR, CL2R	42 (LBS.)	2116*
18	8	STR.	.228	18	C(UL), FT4, CMR, CL2R	58 (LBS.)	2117+•
18	10	STR.	.268	18	C(UL), FT4, CMR, CL2R	71 (LBS.)	2118+•
18	12	STR.	.276	18	C(UL), FT4, CMR, CL2R	84 (LBS.)	2119+•
18	15	STR.	.305	18	C(UL), FT4, CMR, CL2R	108 (LBS.)	2120+•
16	2	STR.	.176	19	C(UL), FT4, CMR, CL2R	27 (LBS.)	2121
16	4	STR.	.205	19	C(UL), FT4, CMR, CL2R	46 (LBS.)	2122+
14	2	STR.	.212	21	C(UL), FT4, CMR, CL2R	38 (LBS.)	2123+
14	4	STR.	.248	21	C(UL), FT4, CMR, CL2R	70 (LBS.)	2124+
12	2	STR.	.256	21	C(UL), FT4, CMR, CL2R	58 (LBS.)	2125+

*Not Twisted

#Black, Red, Yellow, Green

+Spools Only

• Consult factory for availability.

Jacketed Cables Overall Shield, Riser Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.

Code Restrictions: OK for use with all Power-Limited Circuits except those in Plenums.

Features: Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Twisted Copper Conductors, Polypropylene Insulation, Aluminum/Mylar Shield, with Drain, Flexible Polyvinyl-Chloride Jackets. Standard Jacket Color: Gray. Conductor Color Code Chart 1 (up to 12 conductors). Color Code Chart 2 (13 conductors and over).



JACKETED CABLES SHIELDED (OVERALL SHIELD) RISER RATED 60° C

AWG #/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2 SOL.	.112	33	C(UL), FT4, CMR, CL2R	11 (LBS.)	2201
22	2 STR.	.120	33	C(UL), FT4, CMR, CL2R	12 (LBS.)	2202
22	4 SOL.	.127	33	C(UL), FT4, CMR, CL2R	15 (LBS.)	2203
22	4 STR.	.141	33	C(UL), FT4, CMR, CL2R	19 (LBS.)	2204
22	6 STR.	.162	33	C(UL), FT4, CMR, CL2R	25 (LBS.)	2206
22	8 STR.	.175	33	C(UL), FT4, CMR, CL2R	31 (LBS.)	2207
22	10 STR.	.204	33	C(UL), FT4, CMR, CL2R	37 (LBS.)	2208
22	12 STR.	.210	33	C(UL), FT4, CMR, CL2R	41 (LBS.)	2209
22	15 STR.	.234	33	C(UL), FT4, CMR, CL2R	106 (LBS.)	2210+•
20	2 STR.	.142	37	C(UL), FT4, CMR, CL2R	17 (LBS.)	2212
20	4 STR.	.163	37	C(UL), FT4, CMR, CL2R	26 (LBS.)	2213
18	2 STR.	.154	41	C(UL), FT4, CMR, CL2R	21 (LBS.)	2214
18	4 STR.	.180	41	C(UL), FT4, CMR, CL2R	34 (LBS.)	2215
18	6 STR.	.214	41	C(UL), FT4, CMR, CL2R	46 (LBS.)	2216
18	8 STR.	.232	41	C(UL), FT4, CMR, CL2R	59 (LBS.)	2217+
18	10 STR.	.268	41	C(UL), FT4, CMR, CL2R	72 (LBS.)	2218+
18	12 STR.	.281	41	C(UL), FT4, CMR, CL2R	85 (LBS.)	2219+
18	15 STR.	.312	41	C(UL), FT4, CMR, CL2R	103 (LBS.)	2220+•
16	2 STR.	.180	43	C(UL), FT4, CMR, CL2R	32 (LBS.)	2221
16	4 STR.	.209	43	C(UL), FT4, CMR, CL2R	51 (LBS.)	2222+
14	2 STR.	.216	46	C(UL), FT4, CMR, CL2R	46 (LBS.)	2223+
14	4 STR.	.252	46	C(UL), FT4, CMR, CL2R	76 (LBS.)	2224+
12	2 STR.	.262	46	C(UL), FT4, CMR, CL2R	64 (LBS.)	2225+

+Spools Only

• Consult factory for availability.

Multi-Pair Unshielded, Riser Rated

- Applications:** Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Station, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits, except those in Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Polypropylene Insulation, Conductors are arranged in pairs, Flexible Polyvinyl-Chloride Jacket. Standard Jacket Color: Gray. Conductor Color Code Chart 3.



ARTICLE 725

MULTI-PAIR UNSHIELDED, RISER RATED 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	1	STR.	.114	16	C(UL), FT4, CMR, CL2R	10 (LBS.)	2232
22	2	SOL.	.150	16	C(UL), FT4, CMR, CL2R	20 (LBS.)	2233
22	2	STR.	.140	16	C(UL), FT4, CMR, CL2R	21 (LBS.)	2234*
22	3	STR.	.199	16	C(UL), FT4, CMR, CL2R	23 (LBS.)	2236
22	4	SOL.	.186	16	C(UL), FT4, CMR, CL2R	26 (LBS.)	2237
22	6	STR.	.255	16	C(UL), FT4, CMR, CL2R	40 (LBS.)	2239

*1 Pair Shielded 1 Pair Unshielded

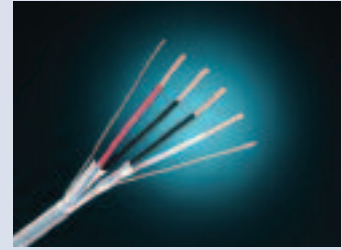
Multi-Pair Shielded (Each Pair Shielded), Riser Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.

Code Restrictions: OK for use with all Power-Limited Circuits except those in Plenums.

Features: Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, Polypropylene Insulation, Conductors are arranged in pairs, Aluminum/Mylar Shield applied overall each assembled pair, with Drain Wire for each pair, Flexible Polyvinyl-Chloride Jackets. Standard Jacket Color: Gray. Conductor Color Code Chart 3.



MULTI-PAIR SHIELDED (EACH PAIR SHIELDED) RISER RATED 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.172	33	C(UL), FT4, CMR, CL2R	22 (LBS.)	2263
22	2	STR.	.194	33	C(UL), FT4, CMR, CL2R	23 (LBS.)	2264
22	3	STR.	.200	33	C(UL), FT4, CMR, CL2R	36 (LBS.)	2266

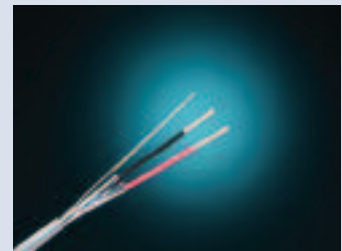
Multi-Pair Shielded (Overall Shield), Riser Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Station, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited. Sunlight Resistant.

Code Restrictions: OK for use with all Power-Limited Circuits, except those in Plenums.

Features: Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, Polypropylene Insulation, Aluminum/Mylar Shield applied overall the assembled pairs with common Drain Wire and Flexible Polyvinyl-Chloride Jacket. Standard Jacket Color: Gray. Conductor Color Code Chart 1.



MULTI-PAIR SHIELDED (OVERALL SHIELD) RISER RATED 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.156	33	C(UL), FT4, CMR, CL2R	17 (LBS.)	2280
22	2	STR.	.176	33	C(UL), FT4, CMR, CL2R	19 (LBS.)	2281
22	3	SOL.	.180	33	C(UL), FT4, CMR, CL2R	23 (LBS.)	2282
22	3	STR.	.202	33	C(UL), FT4, CMR, CL2R	24 (LBS.)	2283
22	6	SOL.	.230	33	C(UL), FT4, CMR, CL2R	43 (LBS.)	2284
22	6	STR.	.260	33	C(UL), FT4, CMR, CL2R	45 (LBS.)	2285

Jacketed Cables Unshielded, Plenum Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Available In 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, Low Smoke PVC insulation, Low Smoke PVC Jacket. Standard Jacket Color: Natural. Conductor Color Code Chart 1 (up to 12 conductors). Color Code Chart 2 (13 conductors and over).



ARTICLE 725

JACKETED CABLES UNSHIELDED, PLENUM RATED 60° C

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.104	24	C(UL), FT6, CMP, CL2P	10 (LBS.)	3101*
22	2	STR.	.114	24	C(UL), FT6, CMP, CL2P	11 (LBS.)	3102*
22	3	STR.	.120	25	C(UL), FT6, CMP, CL2P	15 (LBS.)	3127
22	4	SOL.	.116	24	C(UL), FT6, CMP, CL2P	15 (LBS.)	3103*
22	4	STR.	.133	24	C(UL), FT6, CMP, CL2P	17 (LBS.)	3104*
22	5	STR.	.145	24	C(UL), FT6, CMP, CL2P	20 (LBS.)	3105*•
22	6	STR.	.158	24	C(UL), FT6, CMP, CL2P	24 (LBS.)	3106*
22	8	STR.	.172	24	C(UL), FT6, CMP, CL2P	30 (LBS.)	3107
22	10	STR.	.200	24	C(UL), FT6, CMP, CL2P	37 (LBS.)	3108+
22	12	STR.	.204	24	C(UL), FT6, CMP, CL2P	43 (LBS.)	3109+
22	15	STR.	.232	24	C(UL), FT6, CMP, CL2P	53 (LBS.)	3110
20	2	STR.	.132	27	C(UL), FT6, CMP, CL2P	15 (LBS.)	3112
20	3	STR.	.140	28	C(UL), FT6, CMP, CL2P	20 (LBS.)	3128
20	4	STR.	.155	27	C(UL), FT6, CMP, CL2P	25 (LBS.)	3113
18	2	STR.	.148	30	C(UL), FT6, CMP, CL2P	19 (LBS.)	3114
18	2	SOL.	.136	30	C(UL), FT6, CMP, CL2P	18 (LBS.)	3134
18	3	STR.	.159	29	C(UL), FT6, CMP, CL2P	26 (LBS.)	3126
18	4	STR.	.172	30	C(UL), FT6, CMP, CL2P	33 (LBS.)	3115
18	6	STR.	.212	30	C(UL), FT6, CMP, CL2P	47 (LBS.)	3116+
18	8	STR.	.232	30	C(UL), FT6, CMP, CL2P	61 (LBS.)	3117+
18	10	STR.	.270	30	C(UL), FT6, CMP, CL2P	75 (LBS.)	3118+
18	12	STR.	.277	30	C(UL), FT6, CMP, CL2P	88 (LBS.)	3119+
18	15	STR.	.316	30	C(UL), FT6, CMP, CL2P	109 (LBS.)	3120+•
16	2	STR.	.172	32	C(UL), FT6, CMP, CL2P	28 (LBS.)	3121
16	3	STR.	.186	31	C(UL), FT6, CMP, CL2P	38 (LBS.)	3129+
16	4	STR.	.202	32	C(UL), FT6, CMP, CL2P	50 (LBS.)	3122+
14	2	STR.	.208	34	C(UL), FT6, CMP, CL2P	39 (LBS.)	3123+
14	3	STR.	.220	33	C(UL), FT6, CMP, CL2P	53 (LBS.)	3130
14	4	STR.	.244	34	C(UL), FT6, CMP, CL2P	70 (LBS.)	3124+
12	2	STR.	.265	35	C(UL), FT6, CMP, CL2P	61 (LBS.)	3125+

*Not Twisted

+Spools Only

• Consult factory for availability.

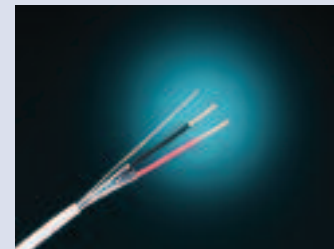
Jacketed Cables Overall Shield, Plenum Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Available In 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Twisted Copper Conductors, Low Smoke PVC Insulation, Aluminum/Mylar Shield, with Drain Wire applied over assembled conductors, Low Smoke PVC Jacket. Standard Jacket Color: Natural. Conductor Color Code Chart 1 (up to 12 conductors). Color Code Chart 2 (13 conductors and over).



JACKETED CABLES SHIELDED, (OVERALL SHIELD) PLENUM RATED 60° C

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.108	45	C(UL), FT6, CMP, CL2P	13 (LBS.)	3201
22	2	STR.	.120	45	C(UL), FT6, CMP, CL2P	14 (LBS.)	3202
22	3	STR.	.130	48	C(UL), FT6, CMP, CL2P	17 (LBS.)	3227
22	4	SOL.	.125	45	C(UL), FT6, CMP, CL2P	19 (LBS.)	3203
22	4	STR.	.139	45	C(UL), FT6, CMP, CL2P	20 (LBS.)	3204
22	6	STR.	.166	45	C(UL), FT6, CMP, CL2P	27 (LBS.)	3206
22	8	STR.	.174	45	C(UL), FT6, CMP, CL2P	33 (LBS.)	3207
22	10	STR.	.210	45	C(UL), FT6, CMP, CL2P	42 (LBS.)	3208
22	12	STR.	.216	45	C(UL), FT6, CMP, CL2P	51 (LBS.)	3209
22	15	STR.	.234	45	C(UL), FT6, CMP, CL2P	63 (LBS.)	3210+
20	2	STR.	.138	48	C(UL), FT6, CMP, CL2P	19 (LBS.)	3212
20	3	STR.	.138	54	C(UL), FT6, CMP, CL2P	22 (LBS.)	3228
20	4	STR.	.159	48	C(UL), FT6, CMP, CL2P	27 (LBS.)	3213
18	2	STR.	.154	62	C(UL), FT6, CMP, CL2P	23 (LBS.)	3214
18	3	STR.	.161	58	C(UL), FT6, CMP, CL2P	29 (LBS.)	3226
18	4	STR.	.178	62	C(UL), FT6, CMP, CL2P	33 (LBS.)	3215
18	6	STR.	.216	62	C(UL), FT6, CMP, CL2P	50 (LBS.)	3216+
18	8	STR.	.230	62	C(UL), FT6, CMP, CL2P	61 (LBS.)	3217+
18	10	STR.	.270	62	C(UL), FT6, CMP, CL2P	79 (LBS.)	3218+•
18	12	STR.	.283	62	C(UL), FT6, CMP, CL2P	90 (LBS.)	3219+
18	15	STR.	.320	62	C(UL), FT6, CMP, CL2P	114 (LBS.)	3220+•
16	2	STR.	.178	71	C(UL), FT6, CMP, CL2P	34 (LBS.)	3221+
16	3	STR.	.184	63	C(UL), FT6, CMP, CL2P	45 (LBS.)	3229+
16	4	STR.	.202	71	C(UL), FT6, CMP, CL2P	57 (LBS.)	3222+
14	2	STR.	.214	75	C(UL), FT6, CMP, CL2P	45 (LBS.)	3223+
14	3	STR.	.222	63	C(UL), FT6, CMP, CL2P	60 (LBS.)	3230+
14	4	STR.	.248	75	C(UL), FT6, CMP, CL2P	76 (LBS.)	3224+
12	2	STR.	.270	85	C(UL), FT6, CMP, CL2P	66 (LBS.)	3225+

+Spools Only

• Consult factory for availability.

Multi-Pair Unshielded, Plenum Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Station, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, Low Smoke PVC Insulation, Conductors are arranged in pairs, Low Smoke PVC Jacket. Standard Jacket Color: Natural. Conductor Color Code Chart 3.



ARTICLE 725

MULTI-PAIR UNSHIELDED, PLENUM RATED 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	1	SOL.	.110	24	C(UL), FT6, CMP, CL2P	10 (LBS.)	3231 •

*1 Pair Shielded 1 Pair Unshielded
• Consult factory for availability.

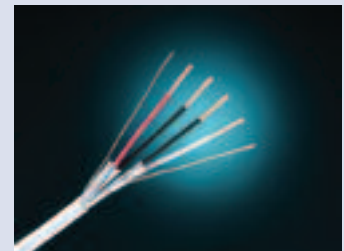
Multi-Pair (Each Pair Shielded), Plenum Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Station, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Available In 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, Low Smoke PVC Insulation, Conductors are arranged in pairs, Aluminum/Mylar Shield applied overall each assembled pair, with Drain Wire for each pair. Low Smoke PVC Jacket. Standard Jacket Color: Natural. Conductor Color Code Chart 3.



MULTI-PAIR (EACH PAIR SHIELDED), PLENUM RATED 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	1	STR.	.120	45	C(UL), FT6, CMP, CL2P	14 (LBS.)	3262
22	2	SOL.	.172	45	C(UL), FT6, CMP, CL2P	24 (LBS.)	3263
22	2	STR.	.194	45	C(UL), FT6, CMP, CL2P	24 (LBS.)	3264
22	3	SOL.	.183	45	C(UL), FT6, CMP, CL2P	33 (LBS.)	3265
22	3	STR.	.200	45	C(UL), FT6, CMP, CL2P	35 (LBS.)	3266
22	4	SOL.	.201	45	C(UL), FT6, CMP, CL2P	39 (LBS.)	3267
22	6	SOL.	.244	45	C(UL), FT6, CMP, CL2P	57 (LBS.)	3268

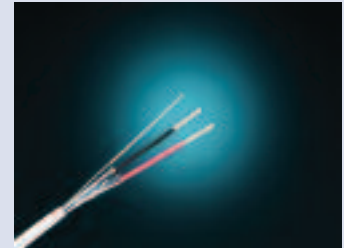
Multi-Pair Overall Shield, Plenum Rated

Applications: Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Station, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, Low Smoke PVC Insulation, Aluminum/Mylar Shield with Drain Wire applied overall the assembly pairs. Low Smoke PVC Jacket. Standard Jacket Color: Natural. Conductor Color Code Chart 3.



MULTI-PAIR SHIELDED (OVERALL SHIELD), PLENUM RATED 60° C

AWG	#/PAIR	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	2	SOL.	.156	45	C(UL), FT6, CMP, CL2P	20 (LBS.)	3280 •
22	2	STR.	.176	45	C(UL), FT6, CMP, CL2P	22 (LBS.)	3281
22	3	SOL.	.180	45	C(UL), FT6, CMP, CL2P	24 (LBS.)	3282 •
22	3	STR.	.202	45	C(UL), FT6, CMP, CL2P	26 (LBS.)	3283
22	6	SOL.	.240	45	C(UL), FT6, CMP, CL2P	49 (LBS.)	3284 •
22	6	STR.	.272	45	C(UL), FT6, CMP, CL2P	53 (LBS.)	3285

• Consult factory for availability.

Home Automation Cable

Applications: Designed for Lighting Control and other Home Automation applications.

Code Restrictions: OK for Power-Limited Circuits, except those in Risers and Plenums.

Construction: 22 AWG shielded copper pair for data, 18 AWG unshielded copper pair for power.



HOME AUTOMATION CABLE

DESCRIPTION	CONDUCTORS	JACKET COLOR	LISTINGS	AVG. WT. PER MFT	PART#
18 AWG 1 UNSHIELDED PAIR +	STRANDED	GREEN	CM, CL2	30 (LBS.)	1243
22 AWG 1 SHIELDED PAIR	BC				

Access Control Cable

Applications: Gated Communities, Limited Access.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Profusion Access Control Cables are held together by a revolutionary tight, continuous twist scheme that secures lock power, card reader, door contact and request for exit (Rex/Spare) cables together without an adhesive material, delivering a better bundled cable, while saving the installer valuable time by eliminating the need to remove an outer jacket. This design eliminates cold weather cracking and cable separation problems.



ARTICLE 725

ACCESS CONTROL CABLE

DESCRIPTION	PART#
4 Leg Access Control Cable CM Rated	1298
4 Leg Access Control Cable CMP Rated	3295

Construction:

GROUP	DOOR STRIKE	CARD READER	DOOR CONTACT	REQUEST FOR EXIT
Conductor	18 AWG BC 16/30 STR	22 AWG BC 7/30 STR	22 AWG BC 7/30 STR	22 AWG BC 7/30 STR
Construction	4/C OAS	3 pair OAS	2/C OAS	4/C OAS
Insulation Colors	BLK, RED, WHT, GRN	BLK/RED, GRN/WHT, ORG/BLU	BLK, RED	BLK, RED, WHT, GRN
Lay Length	3" nom.	Pair-2" nom. Cable-4.5" nom.	1.75" nom.	2" nom.
Shield	AL/Mylar	AL/Mylar	AL/Mylar	AL/Mylar
Jacket Color	Orange	White	Blue	Green

Notes: _____



Irrigation Cable

Single Conductor Sprinkler and Tracer Wire

(UL Listed Sprinkler and Tracer Wire 600V)

These cables are designed for underground applications where harsh conditions may be encountered. One of the common uses is for tracer wire. Typically, yellow tracer wire is used to mark gas pipes, blue to mark water pipes, orange to mark fiber optic cables and green for sewage lines. Another use is for connecting the remote control valves to an irrigation controller in a golf course sprinkler system.



Multi Conductor Sprinkler Cable

(UL Listed Direct Burial Solid Bare Copper 30V)

These underground multi conductor cables are used to control the valves in residential and commercial irrigation systems.

Landscape Lighting Cable

(UL Listed Underground Low Energy Circuit Cable 150V)

These cables are used for low-voltage direct burial lighting applications.



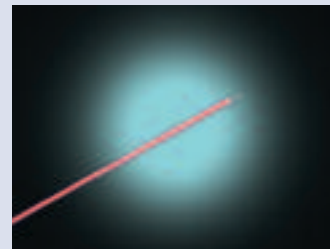
Tracer Wire

Irrigation, Tracer and Lighting Cable

Applications: Underground Golf Course Sprinkler Wire, Tracer Wire and Lawn Sprinkler Wire. Designed for underground applications where harsh conditions may be encountered.

Code Restrictions: UL Misc. Wire

Construction: Copper Conductor, Polyethylene Insulation. Check Factory for Availability.



IRRIGATION, TRACER AND LIGHTING CABLE

AWG	#/COND.	STR/SOL	DESCRIPTION	AVG. WT. PER MFT	PART#
18	1	SOL	600V Sprinkler System or Tracer Wire	11	1301
14	1	SOL	600V Sprinkler System or Tracer Wire	20	1303
12	1	SOL	600V Sprinkler System or Tracer Wire	28	1304

• Please check with factory for stock and availability on put-ups and jacket colors.

Underground Lighting

Applications: Underground, Low Energy Circuit Cable. Sunlight Resistant.

Code Restrictions: OK for Underground Circuits.

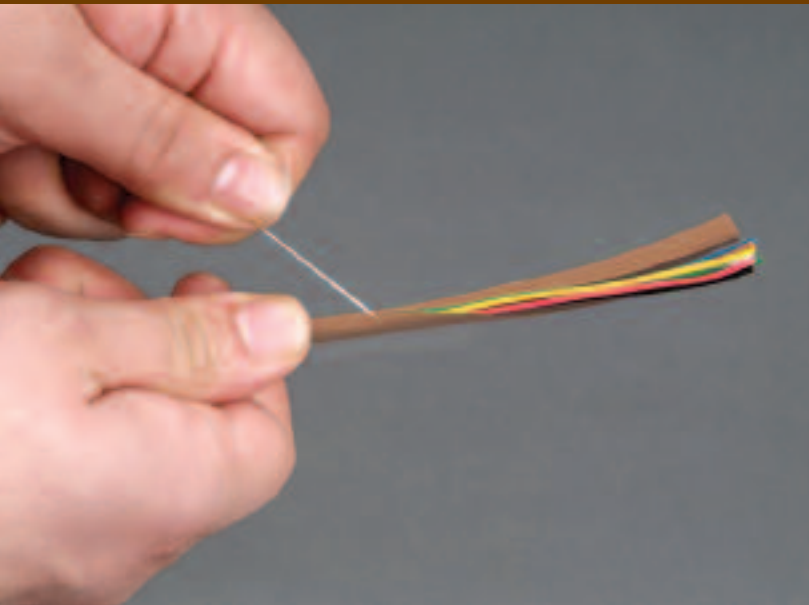
Features: Available in 250, 500 or 1000 foot spools. Sequential Footage Markings.

Construction: Heavy Wall, Integral Zip Construction. Black Jacket.



UNDERGROUND LIGHTING

AWG	#/COND.	STR/SOL	NOM. O.D.	AVG. WT. PER MFT	PART#
8	2	7 x 24/30 STR BC	.295" x .590"	225 (LBS.)	1017
10	2	104/30 STR BC	.220" x .440"	120 (LBS.)	1018
12	2	65/30 STR BC	.190" x .390"	82 (LBS.)	1019
14	2	41/30 STR BC	.165" x .345"	50 (LBS.)	1021



Honeywell Thermostat Wire

As the world's leading thermostat manufacturer, Honeywell knows about home comfort systems. Although it's hidden behind the walls, the thermostat wire is a key component of heating and cooling systems. The quality of the wire can impact performance. As systems continue to get more intelligent, quality wire becomes a more important factor.



Quality:

Honeywell thermostat wire, like all Honeywell products, is manufactured to the highest quality standards and is recommended for use with all thermostats, ensuring optimal system performance.

Commitment:

If any Honeywell thermostat wire fails to perform to our specification during the life of any original installation, we will replace the cable, three for one. No one else in the industry makes that guarantee.

Features:

- Full range of thermostat and electronic low voltage wire
- Polypropylene insulation provides exceptional dielectric and strips easily and cleanly, saving time
- Available for General Purpose (CL2) or Plenum (CL2P) Applications
- Ripcord for quick jacket removal
- Room and zone markings printed right on jacket
- Packaging options: Spools, Speedbags™ and Pull Boxes
- Manufactured in ISO 9001:2000 facility to exacting quality standards
- 100% guaranteed

Thermostat Cable 60° C - CL2

Applications: Wiring of Thermostat Controls, Heating and Air Conditioning Equipment, doorbells, as well as other Low Voltage Applications. Sunlight Resistant except CL2P.

Features: Sequential Footage Markings on Spools. Braided Ripcord.

Code Restrictions: OK for use with all Power-Limited Circuits except those in Risers and Plenums.

Construction: Copper Conductors, Polypropylene Insulation, Polyvinyl-Chloride Jacket.



AWG	#/COND.	PACKAGING	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
20	2	4 x 500 S or 1 x 500 SB	SOL	.118	17	CL2	11	4701
20	3	4 x 500 S or 1 x 500 SB	SOL	.124	17	CL2	14	4702
20	4	4 x 250 S or 1 x 250 SB	SOL	.136	17	CL2	18	4703
20	5	4 x 250 S or 1 x 250 SB	SOL	.148	17	CL2	20	4704
20	6	4 x 250 S or 1 x 250 SB	SOL	.161	17	CL2	24	4705
20	7	4 x 250 S or 1 x 250 SB	SOL	.161	17	CL2	27	4706
20	8	4 x 250 S or 1 x 250 SB	SOL	.174	17	CL2	31	4707
20	9	4 x 250 S or 1 x 250 SB	SOL	.188	17	CL2	35	4708•
20	10	4 x 250 S or 1 x 250 SB	SOL	.204	17	CL2	39	4709•
18	2	4 x 500 S or 1 x 500 SB	SOL	.136	19	CL2	16	4710
18	3	4 x 500 S or 1 x 500 SB	SOL	.144	19	CL2	21	4711
18	4	4 x 250 S or 1 x 250 SB	SOL	.157	19	CL2	26	4712
18	5	4 x 250 S or 1 x 250 SB	SOL	.172	19	CL2	32	4713
18	6	4 x 250 S or 1 x 250 SB	SOL	.188	19	CL2	38	4714
18	7	4 x 250 S or 1 x 250 SB	SOL	.188	19	CL2	44	4715
18	8	4 x 250 S or 1 x 250 SB	SOL	.204	19	CL2	50	4716
18	9	4 x 250 S or 1 x 250 SB	SOL	.220	19	CL2	55	4717
18	10	4 x 250 S or 1 x 250 SB	SOL	.240	19	CL2	61	4718
18	12	1 x 250 S or 1 x 250 SB	SOL	.248	19	CL2	74	4719

• Consult factory for availability. S=Spools SB=Speedbags MFT=1000 Feet

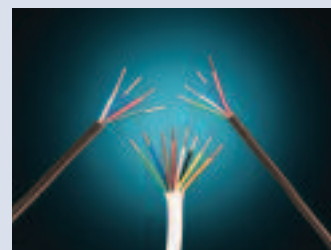
Thermostat Cable, Plenum Rated - CL2P

Applications: Wiring of Thermostat Controls, Heating and Air Conditioning Equipment, doorbells, as well as other Low Voltage Applications. Sunlight Resistant except CL2P.

Features: Sequential Footage Markings on Spools. Braided Ripcord.

Code Restrictions: OK for use with all Power-Limited Circuits.

Construction: Copper Conductors, Low Smoke PVC, Low Smoke PVC Jacket.



AWG	#/COND.	PACKAGING	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
18	2	4 x 500 S	SOL	.136	28	CMP, CL2P, C(UL) FT6	17	4760
18	3	4 x 500 S	SOL	.144	28	CMP, CL2P, C(UL) FT6	23	4761
18	4	4 x 250 S	SOL	.157	28	CMP, CL2P, C(UL) FT6	29	4762
18	5	4 x 250 S	SOL	.172	28	CMP, CL2P, C(UL) FT6	35	4763
18	6	4 x 250 S	SOL	.188	28	CMP, CL2P, C(UL) FT6	42	4764
18	7	4 x 250 S	SOL	.188	28	CMP, CL2P, C(UL) FT6	47	4765•
18	8	4 x 250 S	SOL	.204	28	CMP, CL2P, C(UL) FT6	54	4766
18	9	4 x 250 S	SOL	.220	28	CMP, CL2P, C(UL) FT6	60	4767•
18	10	4 x 250 S	SOL	.240	28	CMP, CL2P, C(UL) FT6	67	4768
18	12	1 x 250 S	SOL	.248	28	CMP, CL2P, C(UL) FT6	79	4769•

• Consult factory for availability. S=Spools MFT=1000 Feet



Fire Alarm

Our Fire Alarm Cables are manufactured in a wide variety of gage sizes, shielding configurations and jacketing materials including plenum, riser and general purpose. Genesis also manufactures fire alarm cables that meet the requirements of New York City Local Law 5 and New York State Toxicity requirements.

Features:

- Countdown
- New Labeling System on box
- Color Coded Boxes
- Zone and Room Markings



Article 760

The scope of this article covers the installation of wiring and equipment of fire alarm systems including all circuits controlled and powered by the fire alarm system. These include fire detection and alarm notification, guard's tour, sprinkler waterflow and sprinkler supervisory systems: Circuits controlled and powered by the fire alarm system include circuits for the control of building systems safety functions, elevator capture, elevator shutdown, door release, smoke doors and damper control, fire doors and damper control and fan shutdown. Applicable only where these circuits are powered by and controlled by the fire alarm system.

Fire Power Limited Cable: **Type FPL, FPLR, FPLP**

FIRE ALARM CABLES

Fire Alarm Jacketed Unshielded

ARTICLE 760

- Applications:** Wiring of Fire-Protective Signaling Circuits. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Polypropylene Insulation, Polyvinyl-Chloride Jacket. Standard Jacket Color: Red or White. Conductor Color Code Chart 4.



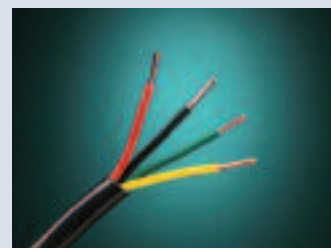
FIRE ALARM JACKETED UNSHIELDED 75° C

AWG #/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22 4	SOL.	.122	15	FPL	15 (LBS.)	4101*
22 6	SOL.	.144	15	FPL	19 (LBS.)	4102
22 8	SOL.	.156	15	FPL	24 (LBS.)	4103
22 10	SOL.	.182	15	FPL	31 (LBS.)	4104
22 12	SOL.	.188	15	FPL	37 (LBS.)	4105
18 2	SOL.	.134	20	FPL	17 (LBS.)	4106
18 4	SOL.	.170	20	FPL	29 (LBS.)	4107*
18 6	SOL.	.192	20	FPL	41 (LBS.)	4108+
18 8	SOL.	.208	20	FPL	52 (LBS.)	4109+
18 10	SOL.	.244	20	FPL	68 (LBS.)	4110+
16 2	SOL.	.154	20	FPL	24 (LBS.)	4111
16 4	SOL.	.180	20	FPL	43 (LBS.)	4112+
14 2	SOL.	.182	22	FPL	35 (LBS.)	4113+
14 4	SOL.	.214	22	FPL	64 (LBS.)	4114+
12 2	SOL.	.214	22	FPL	52 (LBS.)	4115+

*Not Twisted
+Spools Only

Fire Alarm Jacketed Unshielded, Direct Burial

- Applications:** Wiring for Outdoor or Underground. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums, but intended for Outdoor or Underground Use.
- Features:** Available in 500 foot or 1000 foot Spools. Sequential Footage Markings.
- Construction:** Stranded Copper Conductors, PVC Insulation, High Molecular Weight PVC Jacket Color: Black. Conductor Color Code Chart 4.



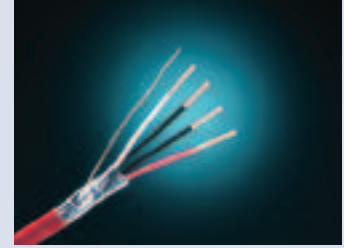
FIRE ALARM JACKETED UNSHIELDED, DIRECT BURIAL 75° C

AWG #/COND.	STR	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
18 2	STR.	.260	19	FPL, CL2	37(LBS.)	4156
18 4	STR.	.295	19	FPL, CL2	59 (LBS.)	4157*
18 6	STR.	.345	19	FPL, CL2	76 (LBS.)	4158
16 2	STR.	.282	21	FPL, CL2	45 (LBS.)	4151
14 2	STR.	.310	23	FPL, CL2	60 (LBS.)	4153
14 4	STR.	.355	23	FPL, CL2	102 (LBS.)	4154

*Not Twisted

Fire Alarm Jacketed Shielded (Overall Shield)

- Applications:** Wiring of Fire-Protective Signaling Circuits. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Twisted Copper Conductors, Polypropylene Insulation, Aluminum/Mylar Shield with Drain Wire applied overall the assembled conductors. Flexible Polyvinyl-Chloride Jacket. Standard Jacket Color: Red or White, Conductor Color Code Chart 4.



ARTICLE 760

FIRE ALARM JACKETED SHIELDED (OVERALL SHIELD) 75° C

AWG #/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22 4	SOL.	.124	31	FPL	17 (LBS.)	4201
18 2	SOL.	.138	42	FPL	20 (LBS.)	4202
18 4	SOL.	.160	42	FPL	31 (LBS.)	4203
18 6	SOL.	.196	42	FPL	50 (LBS.)	4204
18 8	SOL.	.212	42	FPL	57 (LBS.)	4205+
16 2	SOL.	.158	46	FPL	29 (LBS.)	4206
16 4	SOL.	.186	46	FPL	49 (LBS.)	4207+
14 2	SOL.	.186	52	FPL	40 (LBS.)	4208+
14 4	SOL.	.218	52	FPL	67 (LBS.)	4209+
12 2	SOL.	.218	56	FPL	59 (LBS.)	4210+

+Spools Only

Fire Alarm Zipcord

- Applications:** Wiring of Fire-Protective Signaling Circuits. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. One Conductor Ribbed for Polarity. Sequential Footage Markings.
- Construction:** Copper Conductors Laid Parallel in a Zipcord Style. Integral Polyvinyl-Chloride Insulation. Standard Colors: Red, White.



FIRE ALARM ZIPCARD 75° C

AWG #/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
18 2	SOL.	.105 x .217	17	FPL, C(UL) CMG	18 (LBS.)	4002
14 2	SOL.	.129 x .273	17	FPL, C(UL) CMG	39 (LBS.)	4004

• Consult factory for availability.

Fire Alarm Jacketed Unshielded, Riser Rated

- Applications:** Wiring of Fire-Protective Signaling Circuits. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Polypropylene Insulation, Polyvinyl-Chloride Jacket. Standard Jacket Color: Red or White, Conductor Color Code Chart 4.



ARTICLE 760

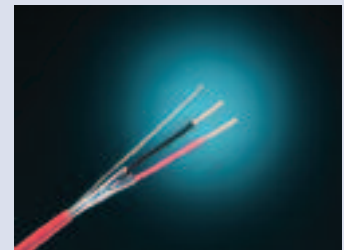
FIRE ALARM JACKETED UNSHIELDED, RISER RATED 75°C

AWG #/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22 4	SOL.	.122	15	FPLR/CL2R, C(UL), FT4	15 (LBS.)	4301
22 6	SOL.	.144	15	FPLR/CL2R, C(UL), FT4	19 (LBS.)	4302•
22 8	SOL.	.156	15	FPLR/CL2R, C(UL), FT4	25 (LBS.)	4303•
22 10	SOL.	.182	15	FPLR/CL2R, C(UL), FT4	30 (LBS.)	4304•
22 12	SOL.	.188	15	FPLR/CL2R, C(UL), FT4	36 (LBS.)	4305•
18 2	SOL.	.138	19	FPLR/CL2R, C(UL), FT4	17 (LBS.)	4306
18 4	SOL.	.174	19	FPLR/CL2R, C(UL), FT4	34 (LBS.)	4307
18 6	SOL.	.187	19	FPLR/CL2R, C(UL), FT4	44 (LBS.)	4308+
18 8	SOL.	.208	19	FPLR/CL2R, C(UL), FT4	54 (LBS.)	4309+
18 10	SOL.	.244	19	FPLR/CL2R, C(UL), FT4	67 (LBS.)	4310+
16 2	SOL.	.160	20	FPLR/CL2R, C(UL), FT4	24 (LBS.)	4311
16 4	SOL.	.184	20	FPLR/CL2R, C(UL), FT4	43 (LBS.)	4312+
14 2	SOL.	.184	22	FPLR/CL2R, C(UL), FT4	37 (LBS.)	4313+
14 4	SOL.	.214	22	FPLR/CL2R, C(UL), FT4	65 (LBS.)	4314+
12 2	SOL.	.214	22	FPLR/CL2R, C(UL), FT4	55 (LBS.)	4315+

+Spools Only
 • Consult factory for availability.

Fire Alarm Jacketed (Overall Shield), Riser Rated

- Applications:** Wiring of Fire-Protective Signaling Circuits. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Plenums.
- Features:** Available In 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Polypropylene Insulation, Polyvinyl-Chloride Jacket. Standard Jacket Color: Red or White, Conductor Color Code Chart 4.



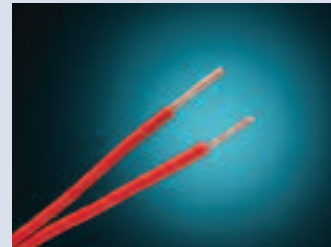
FIRE ALARM JACKETED (OVERALL SHIELD), RISER RATED 75° C

AWG #/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22 4	SOL.	.126	31	FPLR/CL2R, C(UL), FT4	16 (LBS.)	4401
18 2	SOL.	.138	42	FPLR/CL2R, C(UL), FT4	21 (LBS.)	4402
18 4	SOL.	.163	42	FPLR/CL2R, C(UL), FT4	32 (LBS.)	4403
18 6	SOL.	.196	42	FPLR/CL2R, C(UL), FT4	46 (LBS.)	4404
18 8	SOL.	.212	42	FPLR/CL2R, C(UL), FT4	56 (LBS.)	4405+
16 2	SOL.	.158	46	FPLR/CL2R, C(UL), FT4	31 (LBS.)	4406
16 4	SOL.	.190	46	FPLR/CL2R, C(UL), FT4	49 (LBS.)	4407+
14 2	SOL.	.192	52	FPLR/CL2R, C(UL), FT4	42 (LBS.)	4408+
14 4	SOL.	.218	52	FPLR/CL2R, C(UL), FT4	72 (LBS.)	4409+
12 2	SOL.	.218	56	FPLR/CL2R, C(UL), FT4	60 (LBS.)	4410+

+Spools Only

Fire Alarm Zipcord, Riser Rated

- Applications:** Wiring of Fire-Protective Signaling Circuits. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. One Conductor Ribbed for Polarity. Sequential Footage Markings.
- Construction:** Copper Conductors, Polyvinyl-Chloride Insulation. Standard Colors: White, Blue, Red.



FIRE ALARM ZIPCORD, RISER RATED 75° C

AWG	#/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
18	2	SOL.	.088 x .196	17	FPLR/CL2R, C(UL), FT4	18 (LBS.)	4422
16	2	SOL.	.094 x .200	17	FPLR/CL2R, C(UL), FT4	26 (LBS.)	4423
14	2	SOL.	.107 x .220	17	FPLR/CL2R, C(UL), FT4	37 (LBS.)	4424+
12	2	SOL.	.124 x .250	17	FPLR/CL2R, C(UL), FT4	52 (LBS.)	4425+

+Spools Only

ARTICLE 760

Fire Alarm Mid Cap Unshielded, Riser Rated

- Applications:** Wiring of Mid-Capacitance Addressable Fire-Protective Signaling Circuits. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Polypropylene Insulation, Polyvinyl-Chloride Jacket. Standard Jacket Color: Red, Conductor Color Code Chart 4.



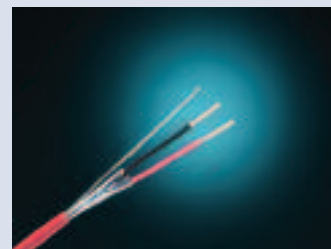
FIRE ALARM MID CAP UNSHIELDED, RISER RATED 75° C

AWG	#/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
18	2	SOL.	.144	15	FPLR/CL2R, C(UL), FT4	19 (LBS.)	4431
16	2	SOL.	.170	17	FPLR/CL2R, C(UL), FT4	26 (LBS.)	4432+
14	2	SOL.	.208	19	FPLR/CL2R, C(UL), FT4	38 (LBS.)	4433+
12	2	SOL.	.256	22	FPLR/CL2R, C(UL), FT4	60 (LBS.)	4434+•

+Spools Only • Consult factory for availability.

Fire Alarm Mid Cap (Overall Shield), Riser Rated

- Applications:** Wiring of Mid-Capacitance Fire-Protective Signaling Circuits. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Plenums.
- Features:** Available in 500 foot or 1000 foot Spools. Sequential Footage Markings.
- Construction:** Twisted Copper Conductors, Polypropylene Insulation, Aluminum/Mylar Shield with Drain Wire, Polyvinyl-Chloride Jacket. Standard Jacket Color: Red, Conductor Color Code Chart 4.



FIRE ALARM MID CAP SHIELDED (OVERALL SHIELD) RISER RATED 75° C

AWG	#/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
18	2	SOL.	.148	34	FPLR/CL2R, C(UL), FT4	21 (LBS.)	4441
16	2	SOL.	.187	38	FPLR/CL2R, C(UL), FT4	32 (LBS.)	4442
14	2	SOL.	.212	41	FPLR/CL2R, C(UL), FT4	43 (LBS.)	4443•
12	2	SOL.	.260	48	FPLR/CL2R, C(UL), FT4	48 (LBS.)	4444

• Consult factory for availability.

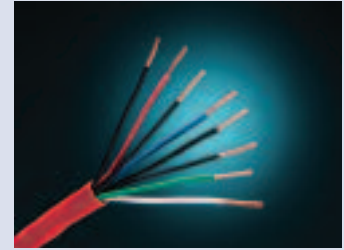
Fire Alarm Jacketed Unshielded, Plenum Rated

Applications: Wiring of Fire-Protective Signaling Circuits.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Copper Conductors, Low Smoke PVC Insulation, Low Smoke PVC Jacket And Ripcord. Standard Jacket Color: Red, Conductor Color Code Chart 4.



FIRE ALARM JACKETED UNSHIELDED, PLENUM RATED 75° C

AWG #/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	6	SOL.	.144	22	FPLP/CL2P C(UL), FT6	21 (LBS.) 4502
22	10	SOL.	.182	22	FPLP/CL2P C(UL), FT6	33 (LBS.) 4504•
22	12	SOL.	.188	22	FPLP/CL2P C(UL), FT6	38 (LBS.) 4505
18	2	SOL.	.134	24	FPLP/CL2P C(UL), FT6	19 (LBS.) 4506
18	4	SOL.	.156	24	FPLP/CL2P C(UL), FT6	32 (LBS.) 4507
18	6	SOL.	.192	24	FPLP/CL2P C(UL), FT6	45 (LBS.) 4508+
16	2	SOL.	.154	27	FPLP/CL2P C(UL), FT6	26 (LBS.) 4511
16	4	SOL.	.180	27	FPLP/CL2P C(UL), FT6	47 (LBS.) 4512+
14	2	SOL.	.182	27	FPLP/CL2P C(UL), FT6	38 (LBS.) 4513+
14	4	SOL.	.214	27	FPLP/CL2P C(UL), FT6	68 (LBS.) 4514+
12	2	SOL.	.214	30	FPLP/CL2P C(UL), FT6	55 (LBS.) 4515+

+Spools Only • Consult factory for availability.

Fire Alarm Jacketed (Overall Shield), Plenum Rated

Applications: Wiring of Fire-Protective Signaling Circuits.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Available In 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.

Construction: Twisted Copper Conductors, Low Smoke PVC Insulation, Aluminum/Mylar Shield With Drain Wire Low Smoke PVC Jacket and Ripcord. Standard Jacket Color: Red, Conductor Color Code Chart 4.



FIRE ALARM JACKETED SHIELDED (OVERALL SHIELD) PLENUM RATED 75° C

AWG #/COND.	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
22	4	SOL.	.126	53	FPLP/CL2P C(UL), FT6	18 (LBS.) 4601
18	2	SOL.	.140	68	FPLP/CL2P C(UL), FT6	22 (LBS.) 4602
18	4	SOL.	.168	68	FPLP/CL2P C(UL), FT6	35 (LBS.) 4603
18	6	SOL.	.196	68	FPLP/CL2P C(UL), FT6	50 (LBS.) 4604+
16	2	SOL.	.158	77	FPLP/CL2P C(UL), FT6	35 (LBS.) 4606
16	4	SOL.	.186	77	FPLP/CL2P C(UL), FT6	52 (LBS.) 4607+
14	2	SOL.	.186	86	FPLP/CL2P C(UL), FT6	44 (LBS.) 4608+
14	4	SOL.	.218	86	FPLP/CL2P C(UL), FT6	75 (LBS.) 4609+
12	2	SOL.	.218	96	FPLP/CL2P C(UL), FT6	63 (LBS.) 4610+

+Spools Only

Jacketed Unshielded LL5

- Applications:** Fire Protective Signaling Circuits installed in the City of New York.
- Code Restrictions:** Meets the requirements of New York City Local Law 5, and New York State Toxicity.
- Features:** Available in 500 foot or 1000 foot Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Fluoropolymer Insulation and Jacket.
Standard Jacket Color: Red. Color Code Chart 4.



ARTICLE 760

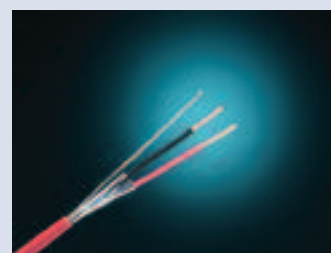
JACKETED UNSHIELDED LL5 150° C

AWG	#/PAIRS	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
18	1	SOL.	.198	45	FPLP, NYC LL5	26 (LBS.)	5500•
18	2	SOL.	.312	45	FPLP, NYC LL5	47 (LBS.)	5501•
16	1	SOL.	.214	55	FPLP, NYC LL5	36 (LBS.)	5502
116	2	SOL.	.345	55	FPLP, NYC LL5	62 (LBS.)	5503•
14	1	SOL.	.244	60	FPLP, NYC LL5	47 (LBS.)	5504
14	2	SOL.	.374	60	FPLP, NYC LL5	87 (LBS.)	5506
12	1	SOL.	.272	65	FPLP, NYC LL5	67 (LBS.)	5505•

• Consult factory for availability.

Jacketed Shielded LL5 (Overall Shield)

- Applications:** Fire Protective Signaling Circuits installed in the City of New York.
- Code Restrictions:** Meets the requirements of New York City Local Law 5, and New York State Toxicity.
- Features:** Available in 500 foot or 1000 foot Spools. Sequential Footage Markings.
- Construction:** Copper Conductors, Fluoropolymer Insulation, Aluminum/Mylar Shield and Fluoropolymer Jacket. Standard Jacket Color: Red. Color Code Chart 4.



JACKETED SHIELDED LL5 (OVERALL SHIELD) 150° C

AWG	#/PAIRS	SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
18	1	SOL.	.202	80	FPLP, NYC LL5	28 (LBS.)	5550•
18	2	SOL.	.316	80	FPLP, NYC LL5	51 (LBS.)	5551•
16	1	SOL.	.215	100	FPLP, NYC LL5	42 (LBS.)	5552
16	2	SOL.	.343	100	FPLP, NYC LL5	71 (LBS.)	5553
14	1	SOL.	.243	110	FPLP, NYC LL5	51 (LBS.)	5554
14	2	SOL.	.398	110	FPLP, NYC LL5	93 (LBS.)	5555•
12	1	SOL.	.276	130	FPLP, NYC LL5	75 (LBS.)	5556•

• Consult factory for availability.

we've got the cure



Honeywell's Self-Diagnostic Cable. Your Prescription for Success.

Relief is on the way with the industry's only patented self-healing HDMI cable with CURE Light Technology. Thanks to a unique, embedded line driver designed to detect and "cure" problematic loading and communication issues, you can count on our cables to monitor and provide instant feedback on Hot Plug Detect, 5 Volt Line, EDID and HDCP status.

The prognosis? You'll reduce installation costs while delivering the superior format and brilliant, crystal-clear resolution your customers deserve. It's your prescription for success!

Honeywell

For more information, please visit www.honeywellcable.com

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Genesis Crystal Series Cable

The Honeywell Genesis Crystal Series is an innovative line of advanced, top quality cables, developed to assist the CE professional in crafting “state-of-the-art” home theater and audio/video systems. CE professionals demand cable solutions that offer uncompromising performance. They want cables that are lightweight, flexible and visually appealing. Crystal Series cables are constructed with premium materials allowing the ultimate synthesis of artistic performance and technical sophistication. For example, Crystal Audio Series cables use only high-strand count, oxygen-free copper conductors for the purest sound transmission. Crystal Video Series serial digital coaxial cables utilize a bare copper center conductor with a gas injected dielectric to deliver bandwidth of 3 GHz. They are UL Listed and stringently tested to surpass the industry’s high standards.



GENESIS CRYSTAL SERIES

Mini-RGB Component Video Cable

Applications: Component video cables are a key element of any home theater system. These 75 ohm cables carry video signals from a source (e.g. DVD Player) to a load (e.g. TV Monitor).

- Features:**
- 100% Foil Shield
 - 95% Tinned Copper Braid Shield
 - Gas Injected Dielectric
 - 81% VP
 - Super Flexible Easy Strip TPE Outer Jacket
 - Ripcord for Jacket Overall Removal
 - 24 AWG Low Loss Solid Bare Copper Center Conductor
 - Sweep Tested



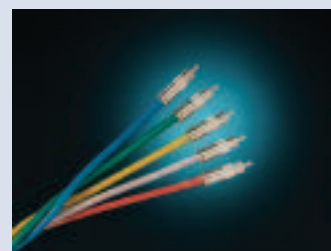
MINI-RGB COMPONENT VIDEO CABLE

STYLE	COAXIAL JACKET COLORS	SHIELD	OHMS	O.D.	NOM. CAP.	LISTING	AVE. WT/MFT	PART#
3 X Mini-Coax	Red, Green & Blue	95% TC & 100% Foil	75	0.375	17	CM	90 (LBS.)	5019
5 X Mini-Coax	Red, Green, Blue, Yellow & White	95% TC & 100% Foil	75	0.475	17	CM	135 (LBS.)	5029
6 X Mini-Coax	Red, Green, Blue, Yellow White & Gray	95% TC & 100% Foil	75	0.54	17	CM	145 (LBS.)	5099
5 X Mini-Coax + CAT 5e	Red, Green, Blue, Yellow White	95% TC & 100% Foil	75	0.620	17	CM	150 (LBS.)	5098

Profusion RG59 RGB Component Video

Applications: Component video cables are key elements of any home theater system. This 75 ohm cable carries video and audio signals from the source (e.g. DVD Player) to a load (e.g. TV Monitor).

- Features:**
- 95% TC Braided Shield
 - 100% Aluminum Foil Shield
 - Gas Injected Dielectric
 - Un-Jacketed Profusion Design
 - Sweep Tested to 3 GHz
 - Lighter and More Flexible



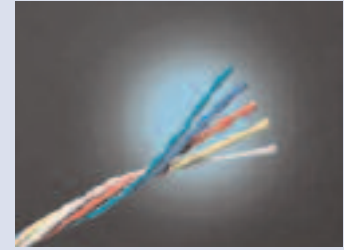
RG59 RGB COMPONENT VIDEO CABLE

STYLE	COAXIAL JACKET COLORS	SHIELD	OHMS	O.D.	NOM. CAP.	LISTING	AVE. WT/MFT	PART#
3 X RG59	Red, Green & Blue	95% TC & 100% Foil	75	.360	16.2	CMX	86 (LBS.)	5036
5 X RG59	Red, Green, Blue, Yellow & Clear	95% TC & 100% Foil	75	.600	16.2	CMX	144 (LBS.)	5052

Profusion Mini-RGB Component Cable

Applications: Component video cables are key elements of any home theater system. This 75 ohm cable carries video and audio signals from the source (e.g. DVD Player) to a load (e.g. TV Monitor).

- Features:**
- 95% TC Braided Shield
 - 100% Aluminum Foil Shield
 - Gas Injected Dielectric
 - Un-Jacketed Profusion Design
 - Sweep Tested
 - Lighter and More Flexible



RGB COMPONENT VIDEO CABLE

STYLE	COAXIAL JACKET COLORS	SHIELD	OHMS	O.D.	NOM. CAP.	LISTING	AVE. WT/MFT	PART#
3 X RG59	Red, Green & Blue	95% TC & 100% Foil	75	0.315"	16.2	CM	86 (LBS.)	5094
5 X RG59	Red, Green, Blue, Yellow & Clear	95% TC & 100% Foil	75	0.400"	16.2	CM	144 (LBS.)	5095

Crystal Series Professional Audio & Home Theater

Applications: High-End Home Theater, Professional & Studio Sound System & Surround System

Code Restrictions: OK for Power-Limited Circuits, except those in Risers and Plenums.

Construction: High-Strand Oxygen Free Copper Conductors. Extra-Flexible Jacket.

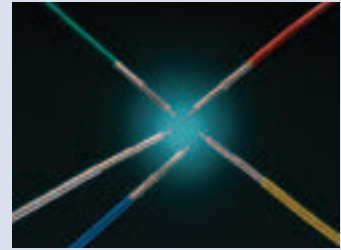


CRYSTAL SERIES PROFESSIONAL AUDIO & HOME THEATER

AWG	#/ COND.	STR/ SOL	NOM. O.D.	NOM. CAP. PF/FT	#STR OXYGEN FREE BC	JACKET COLOR	LISTINGS	AVG. WT. PER MFT	PART#
16	2	STR	.225"	19pF/ft	65 STR	Light Purple or White	CM/CL3	45 (LBS)	5290
16	4	STR	.275"	19pF/ft	65 STR	Dk. Purple or White	CM/CL3	65 (LBS)	5291
14	2	STR	.275"	19pF/ft	105 STR	Light Green or White	CM/CL3	62 (LBS)	5292
14	4	STR	.335"	19pF/ft	105 STR	Dark Green or White	CM/CL3	105 (LBS)	5293
12	2	STR	.320"	21.5pF/ft	168 STR	Light Green	CM/CL3	93 (LBS)	5294

Crystal Series Digital and HDTV Clear RG59 Coaxial Cable

- Applications:** High-End Home Theater, HDTV, Production, Satellite, Digital and Analog Broadcast.
- Code Restrictions:** OK for CMX uses.
- Features:** Available in 500 foot Reel-in-a-Box. Tested to 3 GHz.
- Construction:** Foamed Dielectric over Solid Bare Copper Center Conductor. 95% Tinned Copper Braid Shield and 100% Foil Shield.
Jacket Colors: Translucent Red, Green, Blue, Yellow and Clear.



CRYSTAL SERIES DIGITAL AND HDTV CLEAR RG59 COAXIAL CABLE

STYLE	SHIELD	AWG	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG59	95% TC 100% Foil	20 BC	.242	16.2	CMX	29 (LBS.)	5035

Crystal Series Digital and HDTV Coaxial Cable

- Applications:** High-End Home Theater, HDTV, Production, Satellite, Analog and Digital Broadcast.
- Code Restrictions:** OK for General Purpose use except in Riser and Plenums.
- Features:** Available in 500 foot Reel-in-a-Box. Tested to 3 GHz.
- Construction:** Foamed Dielectric over Solid Bare Copper Center Conductor. 95% TC Braid and 100% Foil Shields. Extra-Flexible Red, Green, Blue and White Jacket.



SERIAL DIGITAL AND HDTV COAXIAL CABLE

STYLE	SHIELD	AWG	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG6	95% TC 100% Foil	18 BC	0.280"	16.5	CATV CL2	33 lbs.	5363



Introducing Honeywell HDMI Cables

High Definition Multimedia Interface (HDMI) is the first connection to deliver uncompressed all digital video, audio and data. As of 2007, over 600 manufacturers have adopted this interface as the newest and best connection to deliver HD audio and video. **HDMI cables will connect these devices to deliver better video and audio than consumers have ever seen or heard.**

HD video is undoubtedly improving in resolution, color depth and refresh rates. HD audio is now being recorded and played back in lossless detail. All this new digital video and audio information comes in the form of 1's and 0's. **The amount of information and the speed with which it needs to move is far greater today than ever before and it's continuing to grow.** Today's HD audio and video is great and it's getting better. To ensure our HDMI cables can deliver the **higher bandwidth requirements of today and tomorrow's best HD**, Honeywell builds our cables to exceed today's highest standards.

To validate this performance we carefully test the Eye Patterns of our cable transmissions. We proudly include these test results with our packaging and hope it serves as proof to you and your customers that **Honeywell HDMI cables can deliver the best HD possible.**



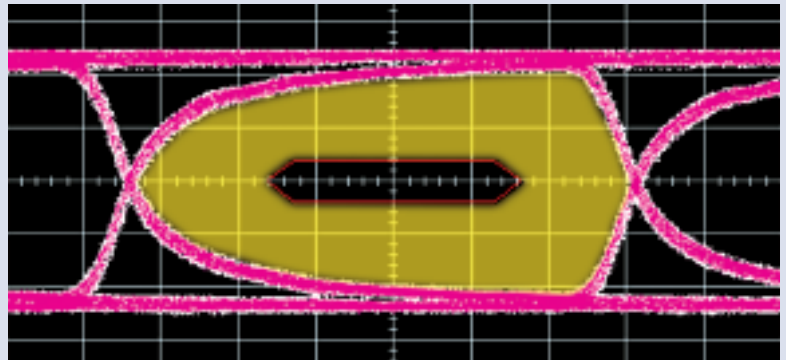
Information about Eye Pattern Testing

Your time is your most valuable resource. You should choose to spend it talking with customers about aspects of your job that will yield the greatest profit. For your convenience, Honeywell's HDMI cable Eye Pattern Test results are included in the packaging. While speaking with your customers, these results will help you to showcase your expertise and earn the profit you deserve.

Eye Pattern Test Results graphically depict a digital signal transmission. Symmetry, a wide opening and thin lines are all indicators of a good result. The shape in the center of the patterns is called a mask. If at any point the "eye" touches the mask, the test is failed. The farther away the "eye" is from the mask the better that cable is performing.* The Eye Pattern Test done to Honeywell's HDMI cables ensure they can pass full 1080p HD Video.

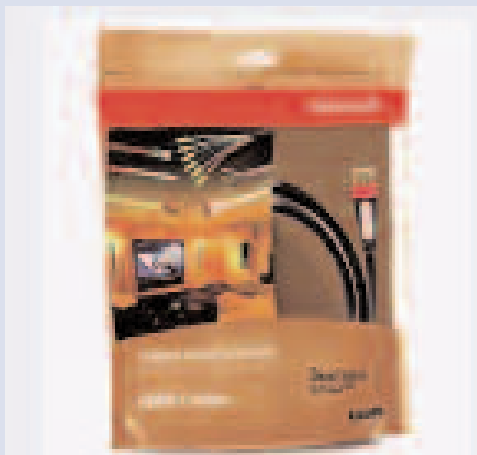
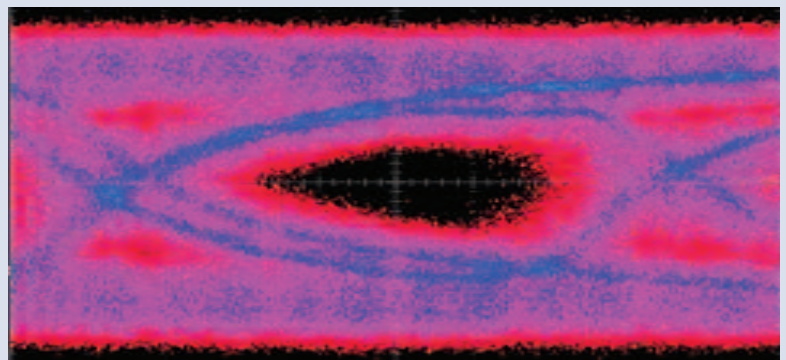
This means that Honeywell's HDMI cable offers you the test results you need to prove that you will get the best HD possible.

This is a good result.



*The yellow area between the mask and the eye represents headroom versus minimal compliance.

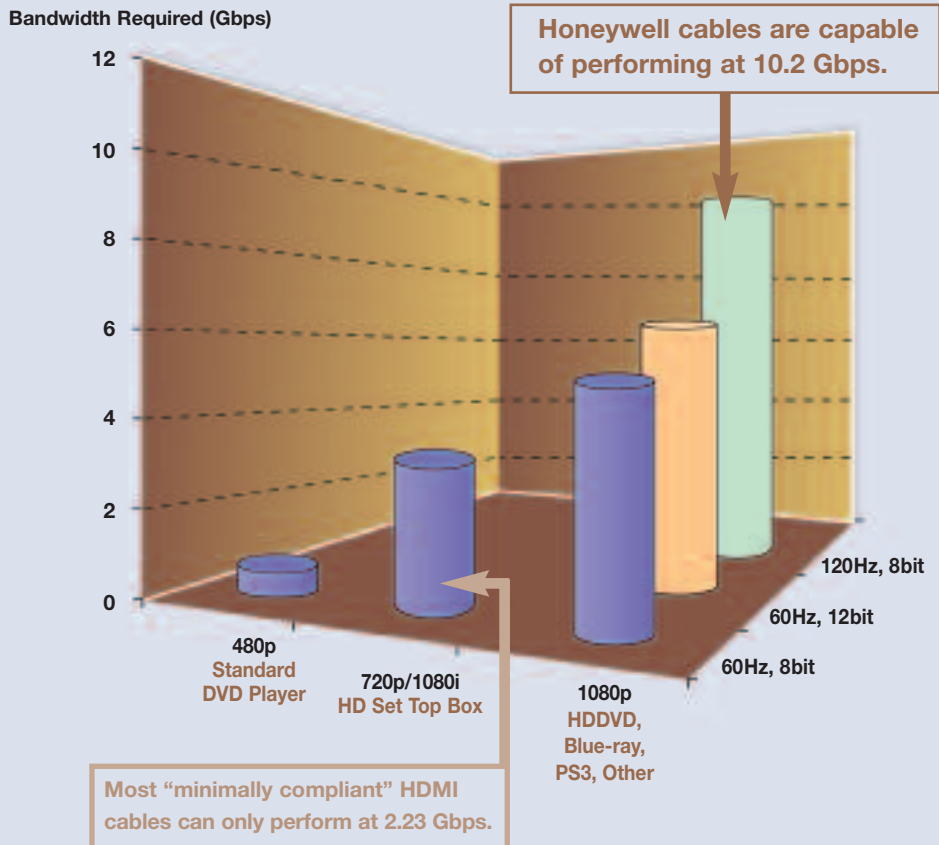
This is a bad result.



For your Eye Pattern Test Results simply look behind the insert card in your Honeywell HDMI cable package.

What kind of HD are you selling?

This is a very exciting time in Consumer Electronics. Content creators and CE device manufacturers are all doing their part to create better HD video and audio. All this adds up to more opportunity for the CE Installer. To successfully navigate these new opportunities you must first understand what is out there today and what's coming in the near future.



Improvements in HD video are being made in three major ways:

Resolution:

The total number of pixels in the video field (or dots on the screen). 1080p is the highest resolution available today via Blu-ray, HDDVD, PS3, XBox360 and download.

Color Depth:

The number of colors available for display (think the more crayons in the box, the better picture you can draw). Measured by bit-rate, 8 bit is common today, enabling 16.9 million colors, 12 bit is the highest available today which enables trillions of colors.

Refresh Rate:

The frequency with which new information appears on the screen. Most televisions today have a 60 Hz refresh rate, or simply put they display new information 60 times a second. New televisions by the end of 2007 will be able to refresh at 120 Hz.

The bandwidth required to pass a HD signal is computed by:

$$\text{Resolution} \times \text{Color Depth} \times \text{Refresh Rate}$$

As new technologies are making improvements on all fronts, the bandwidth requirements are increasing dramatically. To support the best HD, you must choose an HDMI cable that can support the bandwidth requirements!

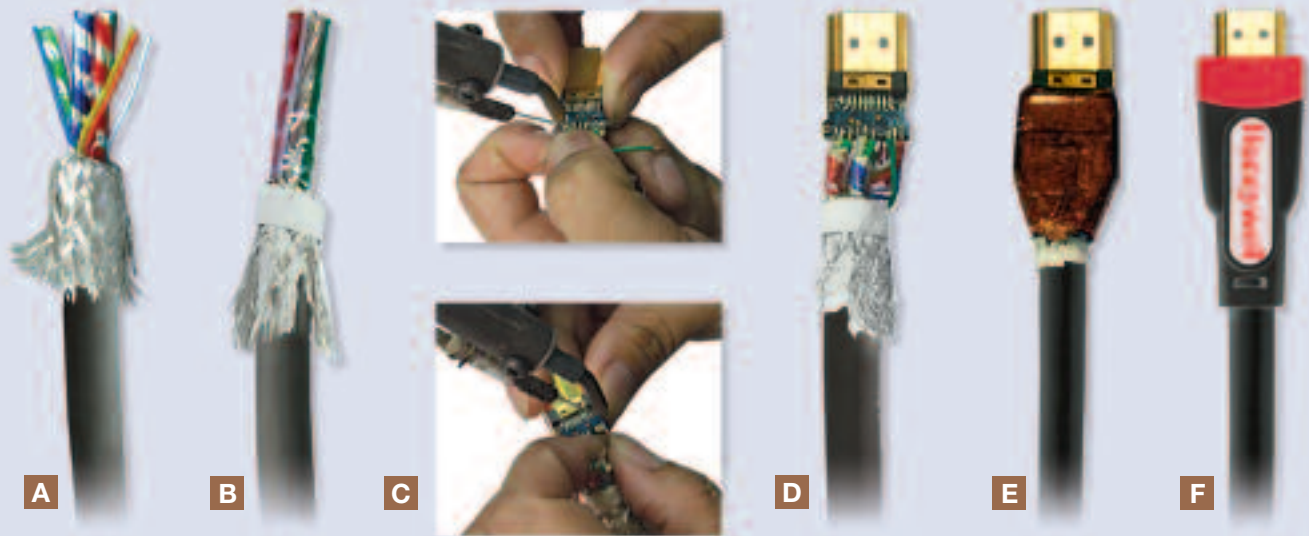
Eye Pattern Tests can graphically depict how well an HDMI cable can pass a signal. As content improves and bandwidth requirements increase, the results from this test become more critical.

While most "minimally compliant" cables only support bandwidths up to 2 Gbps, Honeywell cables far exceed today's requirements by supporting bandwidths up to 10 Gbps. This means that the Honeywell HDMI cable you install today will be able to support the best HD of tomorrow.

Honeywell 7000 Series HDMI Cables

The HDMI Cable Building Process:

Each connector is terminated in a 55 step process that takes about 30 minutes to complete. The length tolerance for all 19 conductors is 0.5 mm. The cables are soldered or heated tacked via IR to the board in the connector. All Honeywell HDMI cables are Eye Pattern tested to ensure quality. Eye Pattern Test results are included with each Honeywell HDMI cable.



- A.** Each HDMI cable is made of 19 conductors included 4 shielded twisted pair. The length tolerance for each conductor is 0.5mm.
- B.** To prepare each HDMI for termination, the braid is pulled back and secured. Before the conductors can be soldered to the board the individual insulators must be stripped back to the minimum amount possible to reveal the silver plated copper wires. Careful attention must be paid to maintaining the twists of the TMDS lines to ensure inter-pair and intra-pair SKU is not induced.
- C.** Precision soldering is critical. Any solder spilled onto its adjacent lead will require the connector to be scrapped.
- D.** Once the 19 conductors are soldered to the leads, the first round of testing verifies a perfect connection. After verification of proper soldering, a premold is injected to permanently hold the connections in place. After the premold, the second round of testing verifies the connections are still perfect.
- E.** Over the premold a copper shielding tape provides further protection from interference.
- F.** The first overmold process creates the red global arc. After this step the third round of testing verifies the integrity of the connection. The white part of the overmold is injected next, followed by a fourth round of testing. Finally the Honeywell and HDMI logos are applied and the cable is ready to be submitted for eye pattern testing.



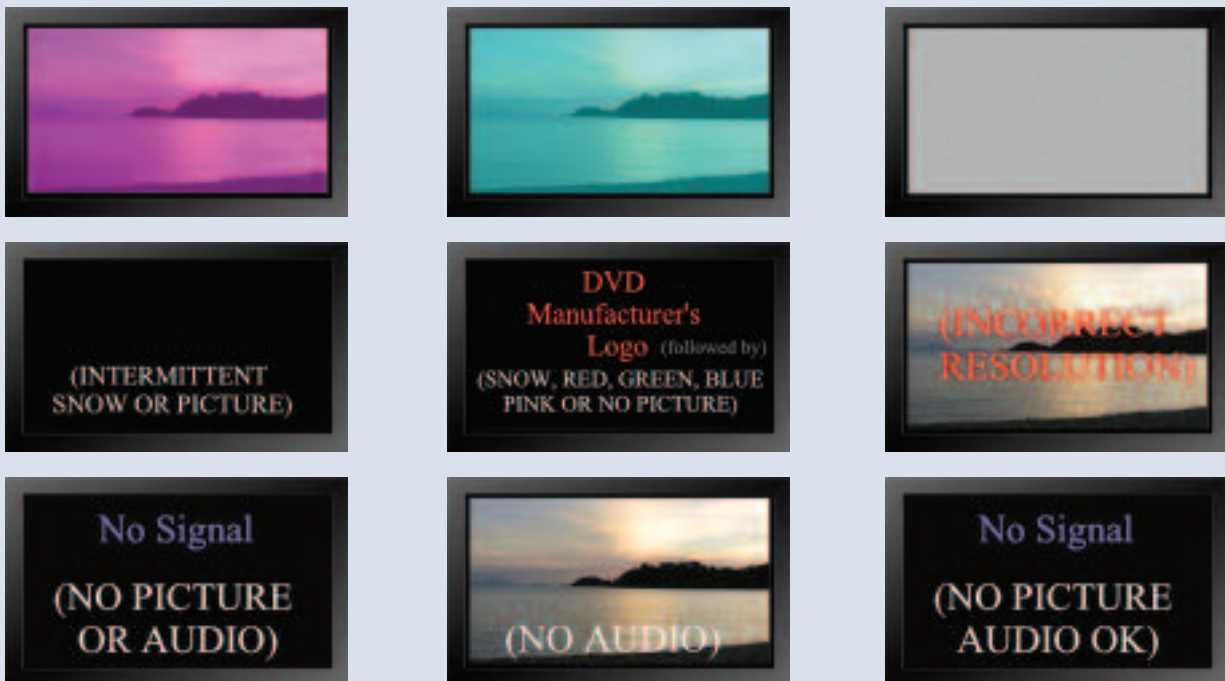
In addition to the Eye Pattern Tests like the one being administered above, 100% of Honeywell HDMI cables, 10 meters and longer, are used to watch 1080p source material on a HDTV for real-life visual inspection as a final quality control procedure.

CURX Light™ Technology

Below are examples of what the LED indicators, a part of the CURX Light Technology, might be telling you about the HDMI equipped devices you have connected.

<p>DOWNSTREAM PROBLEM:</p> <ul style="list-style-type: none"> HOT PLUG 5 VOLT LINE CLOCK DATA <p>All Four LEDs Unlit</p> <p>Potential Issues:</p> <ul style="list-style-type: none"> • Sink not sending HPD (TV on wrong input?) • Voltage level of the HPD is not adequate • Failed 5V line in short cable (use 7953NS08 to verify) 	<p>DEVICE PROBLEM:</p> <ul style="list-style-type: none"> HOT PLUG 5 VOLT LINE CLOCK DATA <p>Hot Plug and 5V LEDs Lit, Clock and Data LEDs Flash Once</p> <p>Potential Issue:</p> <p>Failure for HDCP authentication: the encryption is corrupted on the buss, either by the source or sink. Image might default to 480i</p>
<p>UPSTREAM PROBLEM:</p> <ul style="list-style-type: none"> HOT PLUG 5 VOLT LINE CLOCK DATA <p>Only Hot Plug Lit</p> <p>Potential Issues:</p> <ul style="list-style-type: none"> • Voltage supplied by the source is inadequate • Peripheral on the buss is stealing the voltage • Failed 5V in long cable (use 7953NS08 to verify) 	<ul style="list-style-type: none"> HOT PLUG 5 VOLT LINE CLOCK DATA <p>All LEDs Lit, Clock and Data Flashing Every Two Seconds</p> <p>All are working correctly!</p>

Below are examples of what your HDMI equipped TV might look or sound like in the event your system is suffering a communication problem that needs the line driver, a part of CURX Light Technology.



CRYSTAL SERIES CABLE ASSEMBLIES

HDMI Digital Audio/Video Male to Male Cable with CURÆ Light™ Technology

This series of HDMI cables is designed to automatically correct for corrupt data from inferior loading on the HDCP and EDID Communication Channel. Many failures of HDMI signals are caused by inconsistency of hardware, lack of knowledge by the end-user and excess transmission distances. **CURÆ Light Technology** can correct inconsistent capacitive loading on the buss which degrades the interface and limits the HDMI operation.

These HDMI cables come in lengths up to 15 meters and will display and correct corrupted HDCP and EDID data that is required for the HDMI interface to function correctly. The data is automatically cleaned to its intended dynamic range – supplying the much needed intelligence that the HDMI signal requires.

Features:

- HDMI v.1.3 compliant
- Full balanced line transition-minimized differential signaling (TMDS)
- Self diagnoses and monitoring indicators
- Designed for HDTV 480i, 480p, 720p, 1080i and 1080p
- Four LED-HDMI status indicators located on the connector: verifies Hot Plug, +5Volts, HDCP and EDID
- Automatically corrects HDCP and EDID data integrity
- 100% Foil Shield with 25% overlapping
- 24 Pin Gold Platted HDMI Connectors
- UL CL3 rated
- Eye Pattern Tested
- 90% Tinned Copper Braid Shield
- Silver Platted Copper Wire



HDMI DIGITAL AUDIO/VIDEO MALE TO MALE CABLE WITH CURÆ Light Technology

DESCRIPTION	PART#
.5 meter (1.6 feet)	7G00NS08
.5 meter (1.6 feet) 3 pack	7G003P08
1 meter (3.3 feet)	7G01NS08
1 meter (3.3 feet) 3 pack	7G013P08
2 meter (6.6 feet)	7G02NS08
2 meter (6.6 feet) 3 pack	7G023P08
3 meter (9.9 feet)	7G03NS08
5 meter (16.4 feet)	7G05NS08
7 meter (23 feet)	7G07NS08
10 meter (32.8 feet)	7G10NS08
12 meter (39.4 feet)	7G12NS08
15 meter (49.2 feet)	7G15NS08



HDMI-DIGITAL A/V Assemblies

Designed for Home Theater Applications

Crystal's 7000 Series of HDMI cables are designed to maximize the performance of uncompressed high definition digital audio and video signals. These cables support the new high definition audio formats of Dolby TrueHD, Dolby Digital Plus and DTS-HD. Additionally these cables support deep color, higher speeds and are 1080p capable up to 15 meters.

All of the Crystal 7000 Series of HDMI cables have passed HDMI compliant testing to spec v. 1.3 and support High-Bandwidth Digital Content Protection (HDCP). The HDMI cables have all been EYE Pattern Diagram tested to ensure the highest quality performance. All of the Crystal HDMI assemblies are 100% quality guaranteed.



Features:

- Eye Pattern Tested
- HDMI Compliant
- 100% Guaranteed

HDMI-DIGITAL A/V ASSEMBLIES

DESCRIPTION	PART#
.5 meter Male to Male HDMI Cable (1.6 feet)	7000NS08
.5 meter Male to Male HDMI Cable (1.6 feet) 3 Pack	70003P08
1 meter Male to Male HDMI Cable (3.3 feet)	7001NS08
1 meter Male to Male HDMI Cable (3.3 feet) 3 Pack	70013P08
2 meter Male to Male HDMI Cable (6.6 feet)	7002NS08
2 meter Male to Male HDMI Cable (6.6 feet) 3 Pack	70023P08
3 meter Male to Male HDMI Cable (9.8 feet)	7003NS08
5 meter Male to Male HDMI Cable (16.4 feet)	7005NS08
7 meter Male to Male HDMI Cable (23.0 feet)	7007NS08
10 meter Male to Male HDMI Cable (32.8 feet)	7010NS08
15 meter Male to Male HDMI Cable (49.2 feet)	7015NS08
30 meter Kit (1 x 30 meter HDMI Cable, 1 x .5 meter HDMI Cable 7 1 Restorer)	7030KT01

DVI-Digital Video Assemblies

Designed for Home Theater Applications

Crystal's 7000 Series of DVI cables are designed to maximize the video quality of digital display devices like HDTV, computer monitors and projectors. These cables are commonly used in cable and satellite set top boxes, computers and other digital devices, DVI passes uncompressed digital video between the source and the HDTV. These assemblies greatly improve transmission speeds and video quality by eliminating the need to convert the signal from digital to analog and back.

Crystal's 7000 Series of DVI cables have been EYE Pattern Diagram tested to ensure the highest quality performance. All of the Crystal DVI assemblies are 100% quality guaranteed.



Features:

- Eye Pattern Tested
- 100% Guaranteed

DVI-DIGITAL VIDEO ASSEMBLIES

DESCRIPTION	PART#
1 meter Male to Male DVI Cable (3.3 feet)	7101NS01
2 meter Male to Male DVI Cable (6.6 feet)	7102NS01
3 meter Male to Male DVI Cable (9.8 feet)	7103NS01

HDMI-DVI Pony Tail Adapters

Designed for Home Theater Applications

The Crystal 7000 Series of Pony Tail Adapters allow the transmission of uncompressed high definition content between two interfaces. Unlike modular adapters that are difficult to integrate into an installation, the Crystal Series of pony tail adapters are flexible, allowing the installer to more easily hide the adapter and reduce the leverage at the point of the connection.

Crystal's 7000 Series of Pony Tail Adapters have been EYE Pattern Diagram tested to ensure the highest quality performance. All of the Crystal Pony Tail Adapters are 100% quality guaranteed.



HDMI-DVI PONY TAIL ADAPTERS

DESCRIPTION	PART#
Pony Tail Adapter DVI Male to HDMI Female	7901NS01
Pony Tail Adapter DVI Male to HDMI Female 3 Pack	79013P01
Pony Tail Adapter DVI Female to HDMI Male	7902NS01
Pony Tail Adapter DVI Female to HDMI Male 3 Pack	79023P01

HDMI-DVI-Digital Assemblies

Designed for Home Theater Applications

The Crystal 7000 Series of HDMI-DVI cables are designed to maximize performance of uncompressed high definition audio and video. These cables accept DVI input and output HDMI eliminating the need for an adapter. These cables support the new high definition audio formats of Dolby TrueHD, Dolby Digital Plus and DTS-HD. Additionally these cables support deep color, higher speeds and are 1080p capable up to 15 meters.

All of the Crystal 7000 Series of HDMI-DVI cables have passed HDMI compliant testing to spec v. 1.3 and support High-Bandwidth Digital Content Protection (HDCP). The HDMI-DVI cables have all been EYE Pattern Diagram tested to ensure the highest quality performance. All of the Crystal HDMI assemblies are 100% quality guaranteed.



Features:

- DVI in, HDMI out
- Eye Pattern Tested
- 100% Guaranteed

HDMI-DVI-DIGITAL ASSEMBLIES

DESCRIPTION	PART#
1 meter DVI Male to HDMI Male Cable (3.3 feet)	7201NS01
2 meter DVI Male to HDMI Male Cable (6.6 feet)	7202NS01
3 meter DVI Male to HDMI Male Cable (9.8 feet)	7203NS01

RCA & BNC ANALOG ASSEMBLIES

Digital Coaxial Cable

Designed for Home Theater Applications

The Crystal Series of Coaxial and Mini-RGB Cables are now available in pre-terminated lengths and are designed for the CE professional installer who prefers to work with finished products on site, but refuses to compromise on quality. These assemblies are available in standard lengths for the following applications:

- Subwoofer • Digital Coax • Audio • Component Video • RGBHV

- Features:**
- 20 AWG BC Center Conductor
 - 95% TC Braid Shield + 100 AL Foil



DIGITAL COAXIAL CABLE

DESCRIPTION	PART#
1 meter Male to Male RCA Digital Coax Cable (3.3 feet)	7301NS01
2 meter Male to Male RCA Digital Coax Cable (6.6 feet)	7302NS01
3 meter Male to Male RCA Digital Coax Cable (9.8 feet)	7303NS01

Subwoofer Cable

- Features:**
- 20 AWG BC Center Conductor
 - 95% TC Braid Shield + 100 AL Foil



SUBWOOFER CABLE

DESCRIPTION	PART#
5 meter Male to Male RCA Subwoofer Cable (16.4 feet)	7405NS01
10 meter Male to Male RCA Subwoofer Cable (32.8 feet)	7410NS01

RCA Audio Cable

- Features:**
- 26 AWG BC Center Conductor
 - 95% TC Braid Shield + 100 AL Foil



RCA AUDIO CABLE

DESCRIPTION	PART#
1.5 meter Male to Male RCA Audio Cable (4.9 feet)	7501NS01
3 meter Male to Male RCA Audio Cable (9.8 feet)	7503NS01

RCA 3 Conductor Component Video Cable

Features:

- Color Red, Green, and Blue
- 24 AWG BC Center Conductor
- 95% TC Braid Shield + 100 AL Foil
- 75 Ohm Mini Coax



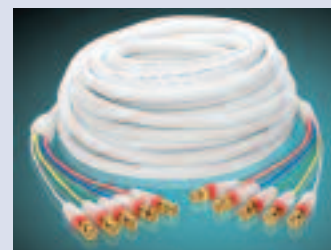
RCA 3 CONDUCTOR COMPONENT VIDEO CABLE

DESCRIPTION	PART#
1 meter Male to Male RCA Component Video Cable (3.3 feet)	7601NS01
1 meter Male to Male RCA Component Video Cable (3.3 feet) 3 Pack	76013P01
2 meter Male to Male RCA Component Video Cable (6.6 feet)	7602NS01
2 meter Male to Male RCA Component Video Cable (6.6 feet) 3 Pack	76023P01
3 meter Male to Male RCA Component Video Cable (9.8 feet)	7603NS01
3 meter Male to Male RCA Component Video Cable (9.8 feet) 3 Pack	76033P01

BNC 5 Conductor RGBHV Video Cable

Features:

- Color Red, Green, Blue, White and Yellow
- 24 AWG BC Center Conductor
- 95% TC Braid Shield + 100 AL Foil



BNC 5 CONDUCTOR RGBHV VIDEO CABLE

DESCRIPTION	PART#
3 meter Male to Male BNC RGBHV Video Cable (9.8 feet)	7703NS01
5 meter Male to Male BNC RGBHV Video Cable (16.4 feet)	7705NS01
10 meter Male to Male BNC RGBHV Video Cable (32.8 feet)	7710NS01
15 meter Male to Male BNC RGBHV Video Cable (49.2 feet)	7715NS01

TOSLink Cable

Features:

- Fiber Optic Connection
- Distortion Free Connection
- Digital Signal



TOSLINK CABLE

DESCRIPTION	PART#
1 meter TOSLink Cable (3.3 feet)	7801NS01
2 meter TOSLink Cable (6.6 feet)	7802NS01
4 meter TOSLink Cable (13.1 feet)	7804NS01
6 meter TOSLink Cable (19.7 feet)	7806NS01

HONEYWELL ACCESSORIES

HDMI Restorer

The Restorer analyzes and corrects the digital signal for the amount of loss over long runs of HDMI cable. In addition, it visually verifies the operation of the entire HDMI communication system and eliminates any inferior loading induced on the interface. The restorer should be installed, with included power supply, at the display side of the connection.

- Features:**
- Designed for easy set-up and operation; wall or table mount
 - Direct coupled from input to output offering maximum video bandwidth
 - Self diagnoses and monitoring indicators
 - Designed for HDTV 480p, 720p, 1080i, and 1080p
 - 75 Ohm Mini Coax



HDMI RESTORER

DESCRIPTION	PART#
HDMI Restorer	7952NS08

HDMI Tester

The 7953NS08 HDMI cable tester sends a controlled signal through every conductor in the cable interface to give you a go or no go decision on the use of your HDMI cables. There are nineteen conductors making up the HDMI interface composing of nine discrete functions. The tester is equipped with nine LEDs that illuminate one by one as each function is verified. Use the 7053NS08 to ensure your HDMI cable hasn't been damaged during or after installation; if any of the LEDs fail to illuminate the cable is compromised.

- Features:**
- Measures each sub circuit within the HDMI interface and displays a pass or fail function
 - Install HDMI and DVI cables with confidence
 - 9 LEDs illuminate testing of all nine functions of the 19 conductors of the HDMI cable
 - Easy to use, just connect each side of the cable
 - May be used for DVI cable assemblies, CEC LED will remain unlit



HDMI TESTER

DESCRIPTION	PART#
HDMI Tester	7953NS08

HDMI to Cat5 Converter

With the 7954NS01, installers can use category 5e network cable for runs of up to 125 feet or 200 feet using category 6 to connect HDMI video source material. A balanced line transmitter sends the signal to a balanced line receiver where the HDMI signal is restored and sent to the video source. This system will automatically correct for any corrupted EDID data and display HDCP with its built in line driver and diagnostics capabilities.

Features:

- Designed for easy set-up and operation
- Automatically corrects HDCP and EDID data integrity
- DVI Compatible
- Accommodates HDMI, HDTV 480p, 720p, 1080i and 1080p
- Compatible with computer resolutions VGA, SVGA, XGA, SXGA and UXGA



HDMI TO CAT5 CONVERTER

DESCRIPTION	PART#
HDMI to Cat5 Converter	7954NS01

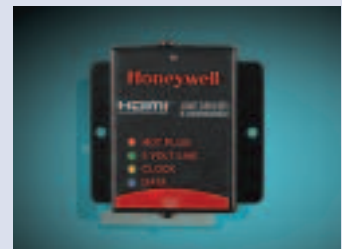
HDMI Line Driver & Diagnostic Unit

The 7956 HDMI line driver & diagnostics unit corrects for corrupt data from inferior loading on the HDCP and EDID communication channel. Many failures of HDMI signals are caused by inconsistency of hardware, lack of knowledge by the end-user and excess transmission distances. Many of the failures are not due to long cable runs, but to the inconsistent capacitive loading on the buss which degrades the interface and limits the HDMI operation.

Used primarily with cable distances less than 20 meters, the 7956 will display and correct for corrupted HDCP and EDID data that is required for the HDMI interface to function correctly. The data is automatically cleaned to its intended dynamic range supplying the much needed intelligence that the HDMI signal requires.

Features:

- Direct coupled from input to output offering maximum video bandwidth
- Full balanced line transition-minimized differential signaling (TMDS)
- Self diagnoses and monitoring indicators
- Designed for HDTV 480i, 480p, 720p, 1080i and 1080p
- Four LED-HDMI status indicators: verifies Hot Plug, +5Volts, HDCP and EDID
- Automatically corrects HDCP and EDID data integrity



HDMI LINE DRIVER & DIAGNOSTIC UNIT

DESCRIPTION	PART#
HDMI Line Driver & Diagnostic Unit	7956NS08



Home Theater Cables

Your complete solution for high-end audio transmission, stereo, professional audio systems and home theater systems.

Home Theater Sound Jacketed Cables Shielded

Features:

- Twisted Bare Copper Conductors
- Polypropylene Insulation
- 100% Foil Shield
- Countdown

Home Theater Sound Jacketed Cables Unshielded

Features:

- Twisted Bare Copper Conductors
- Polypropylene Insulation
- Countdown

Direct Burial Audio Cable

Features:

- Oxygen Free Copper (Pure Transmission Area)
- High Strand Count (Flexibility & More Surface Area)
- Burial Applications

Home Theater Plus Audio Cable, Oxygen Free High Strand Count

Features:

- Loose Tube Jacket (Easy Strip)
- Oxygen Free Copper (Pure Transmission Area)
- High Strand Count (Flexibility & More Surface Area)
- Polypropylene Insulation (Installation Friendly)
- Countdown

Audacious Audio Cable Oxygen Free Copper High Strand Count

Features:

- Loose Tube Jacket (Easy Strip)
- Oxygen Free Copper (Pure Transmission Area)
- High Strand Count (Flexibility & More Surface Area)
- Polypropylene Insulation (Installation Friendly)
- Legend Markings (Channel, Rooms & Zones)
- Countdown

Crystal Series Audio Cable Oxygen Free Copper High Strand Count

Features:

- Extra Flexible Jacket Material
- Extruded Jacket (Abrasion Resistant)
- Easy Strip Construction
- Oxygen Free Copper (Pure Transmission Area)
- High Strand Count (Flexibility & More Surface Area)
- Polypropylene Insulation (Installation Friendly)
- Legend Markings, (Channel, Rooms & Zones)

HOME THEATER CABLES

Heavy Duty Zip Cable-Clear, Oxygen Free

ARTICLE 725

- Applications:** High-End Audio Transmission, Stereo, Professional Sound and Studio Requirements.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Spools. One Conductor Ribbed for Polarity.
- Construction:** Copper Conductors, Super Flexible Polyvinyl-Chloride Jacket. Standard Jacket Color: Clear.



HEAVY DUTY ZIP CABLE-CLEAR, OXYGEN FREE

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	#STR	LISTINGS	AVG. WT. PER MFT	PART#
16	2	X-FLEX	.150 x .305	18	65/34	CM, CL2	30 (LBS.)	5400
14	2	X-FLEX	.165 x .335	20	105/34	CM, CL2	40 (LBS.)	5401
12	2	X-FLEX	.187 x .380	23	168/34	CM, CL2	62 (LBS.)	5402

Zipcord

- Applications:** Wiring Burglar Alarm, Public Address Systems, Intercoms, Telephone Stations, Speakers, Instrumentation, Control and other Low Voltage Circuits that are Power-Limited.
- Code Restrictions:** OK for use with all (Non-Fire) Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. One Conductor Ribbed For Polarity.
- Construction:** Copper Conductors, Flexible Polyvinyl-Chloride Insulation. Standard Colors: White, Brown, or Clear.



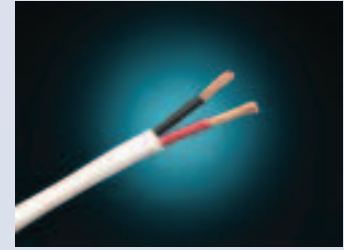
ZIPCORD

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
24	2	STR	.068 x .145	12	CL2, C(UL), CMG	9 (LBS.)	1001 •
22	2	STR	.074 x .164	15	CL2, C(UL), CMG	9 (LBS.)	1002
20	2	STR	.083 x .180	18	CL2, C(UL), CMG	17 (LBS.)	1003 •
18	2	STR	.090 x .190	20	CL2, C(UL), CMG	18 (LBS.)	1004
16	2	STR	.100 x .200	22	CL2, C(UL), CMG	24 (LBS.)	1005

• Consult factory for availability.

Home Theater Sound, Jacketed Cables, Unshielded

- Applications:** High-End Audio Transmission, Stereo, Professional Sound and Studio Requirements. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools. Sequential Footage Markings.
- Construction:** Twisted Copper Conductors, Polypropylene Insulation, Super Flexible Polyvinyl-Chloride Jacket. Standard Jacket Colors: Blue, Green, White, Yellow, Purple. Conductor Color Code Chart 1.



ARTICLE 725

HOME THEATER SOUND, JACKETED CABLES, UNSHIELDED 60° C

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	#STR	LISTINGS	AVG. WT. PER MFT	PART#
16	2	STR.	.192	22	26	CM, CL2	27 (LBS.)	5250
16	4	STR.	.224	22	26	CM, CL2	47 (LBS.)	5251
14	2	STR.	.224	25	41	CM, CL2	38 (LBS.)	5252
14	4	STR.	.265	25	41	CM, CL2	68 (LBS.)	5253+
12	2	STR.	.264	28	65	CM, CL2	57 (LBS.)	5254+
12	4	STR.	.312	28	65	CM, CL2	107 (LBS.)	5255+

+Spools Only

Home Theater Sound, Jacketed Cables, Overall Shield

- Applications:** High-End Audio Transmission, Stereo, Professional Sound and Studio Requirements. Sunlight Resistant.
- Code Restrictions:** OK for use with all Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Spools. Sequential Footage Markings.
- Construction:** Twisted Copper Conductors, Polypropylene Insulation, Aluminum/Mylar Shield with Drain Wire, Super Flexible Polyvinyl-Chloride Jacket. Standard Jacket Colors: Blue, Green, White. Conductor Color Code Chart 1.



HOME THEATER SOUND, JACKETED CABLES SHIELDED, OVERALL SHIELD

AWG	#/COND.	STR/SOL	NOM. O.D.	NOM. CAP. PF/FT	#STR	LISTINGS	AVG. WT. PER MFT	PART#
16	2	STR.	.196	38	26	CM, CL2	33 (LBS.)	5650
14	2	STR.	.228	43	41	CM, CL2	43 (LBS.)	5651+

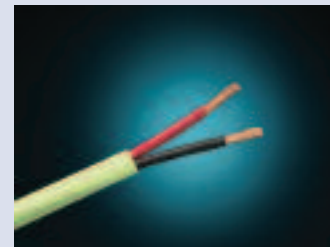
Home Theater Plus

Applications: High-End Audio Transmission, Home Theater Systems & Stereo Systems.

Code Restrictions: OK for Power-Limited Circuits, except those in Risers and Plenums.

Features: Light Green Easy Strip Loose Tube Jacket.

Construction: High-Strand-Count Oxygen Free Copper Conductors.



ARTICLE 725

HOME THEATER PLUS

AWG	#/COND.	STR/ SOL	NOM. O.D.	NOM. CAP. PF/FT	#STR OXYGEN FREE BC	JACKET COLOR	LISTINGS	AVG. WT. PER MFT	PART#
16	2	STR	.192" NOM.	15pF/ft	65	Light Green	CM, CL3	27 (LBS)	5265
16	4	STR	.224" NOM.	15pF/ft	65	Light Green	CM, CL3	45 (LBS)	5266
14	2	STR	.236" NOM.	16pF/ft	105	Light Green	CM, CL3	39 (LBS)	5267
14	4	STR	.277" NOM.	16pF/ft	105	Light Green	CM, CL3	68 (LBS)	5268

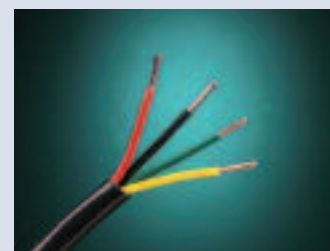
Direct Burial Sound

Applications: High-End Audio Transmission, Stereo, Professional Sound and Studio Requirements where Crush Resistance is required. Direct Burial Sunlight Resistant.

Code Restrictions: OK for use with all Power-Limited Circuits except those in Risers and Plenums. Intended for Outdoor or Underground Use.

Features: Available on 500 foot Spool. Sequential Footage Markings.

Construction: High-Strand Oxygen Free Copper Conductors. High Molecular Weight PVC Jacket. Jacket Color: Black



DIRECT BURIAL SOUND

AWG	#/CONDUCTORS/STRAND COUNT	LISTINGS	AVG. WT. PER MFT	PART#
16	2 (65 STR BC) Oxygen Free	CL2, CL3	42 (LBS.)	5283
16	4 (65 STR BC) Oxygen Free	CL2, CL3	67 (LBS.)	5284
14	2 (105 STR BC) Oxygen Free	CL2, CL3	65 (LBS.)	5285
14	4 (105 STR BC) Oxygen Free	CL2, CL3	110 (LBS.)	5286

Audacious™ Sound Oxygen Free and Combination Sound

- Applications:** High-End Audio Transmission, Stereo, Professional Sound and Studio Requirements. Sunlight Resistant.
- Code Restrictions:** OK for Power-Limited Circuits, except those in Risers and Plenums.
- Features:** Available on 500 foot or 1000 foot Spools, 500 foot Tangle-Free Box or Reel-in-a Box Wire Dispensing System. Sequential Footage Markings. Legend markings for channels, rooms and zones to save installation time.
- Construction:** High-Strand Oxygen Free Copper Conductors. Super Flexible Polyvinyl-Chloride Jacket.



ARTICLE 725

AUDACIOUS™ SOUND

AWG	#/CONDUCTORS/STRAND COUNT	JACKET COLORS	LISTINGS	AVG. WT. PER MFT	PART#
16	2 (65 STR BC) Oxygen Free	Light Purple or White	CM, CL3	27 (LBS.)	5273
16	4 (65 STR BC) Oxygen Free	Dk. Purple or White	CM, CL3	45 (LBS.)	5274
14	2 (105 STR BC) Oxygen Free	Light Green or White	CM, CL3	39 (LBS.)	5275
14	4 (105 STR BC) Oxygen Free	Dark Green or White	CM, CL3	68 (LBS.)	5276+
Combo14/4 STR Oxygen Free 24/4 pair Cat 5e		Fluorescent Pink	CM, CL3	89 (LBS.)	5279+
Combo16/4 STR Oxygen Free 24/4 pair Cat 5e		Pink or White	CM, CL3	66 (LBS.)	5280+

+Spool Only

Crystal Series Professional Audio & Home Theater

- Applications:** High-End Home Theater, Professional & Studio Sound System and Surround System
- Code Restrictions:** OK for Power-Limited Circuits, except those in Risers and Plenums.
- Construction:** High-Strand Oxygen Free Copper Conductors. Extra-Flexible Jacket.



CRYSTAL SERIES PROFESSIONAL AUDIO & HOME THEATER

AWG	#/ COND.	STR/ SOL	NOM. O.D.	NOM. CAP. PF/FT	#STR OXYGEN FREE BC	JACKET COLOR	LISTINGS	AVG. WT. PER MFT	PART#
16	2	STR	.225"	19pF/ft	65 STR	Light Purple or White	CM/CL3	45 (LBS)	5290
16	4	STR	.275"	19pF/ft	65 STR	Dk. Purple or White	CM/CL3	65 (LBS)	5291
14	2	STR	.275"	19pF/ft	105 STR	Light Green or White	CM/CL3	62 (LBS)	5292
14	4	STR	.335"	19pF/ft	105 STR	Dark Green or White	CM/CL3	105 (LBS)	5293
12	2	STR	.320"	21.5pF/ft	168 STR	Light Green	CM/CL3	93 (LBS)	5294

Notes: _____



Multimedia Cable

Honeywell's Genesis Series Cable offers Multimedia Cables to support voice, video and data in a single cable. Multimedia cables are composite constructions designed to minimize the number of cable pulls, reduce installation cost and shorten the time required for the pre-wiring of residential systems.

Features:

- Multiple constructions available
- Cables are performance tested after bundling to assure quality
- Reduces labor time and installation cost
- UL/ETL listed and tested
- 100% Guaranteed
- Available in both jacketed and Profusion (non-jacketed) constructions
- Zone and Room markings available on jacketed multimedia cables

Article 725

Class 1, Class 2, and Class 3 remote-control, signaling and power limited circuits that are not an integral part of a device or appliance.

The scope of this article may include systems such as burglar alarm, access control, sound, nurse call, intercom circuits, some computer network systems, some control circuits for lighting dimmer systems, and some low voltage control circuits that originate from listed computer equipment.

General Purpose Cable: **Type CM, CL2, CL3**

Multimedia Cable

- Applications:** Residential Voice, Video and Data Cabling.
- Code Restrictions:** OK for Power-Limited Circuits, except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Spools. Sequential Footage Markings.
- Construction:** Composite Constructions include 2 Cat 5e 24/4 Pair UTP Cables for Voice & Data, and 2 RG6/U Quad Shielded Satellite Grade Coaxial Cables tested to 3 GHz.



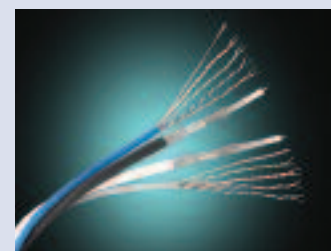
MULTIMEDIA CABLE UL RATED

CAT CABLE	CONSTRUCTION COAX	NOM. O.D.	AVG. WT. PER MFT	PART #
2 x CAT 5e 350 MHz	+ 2 x RG6/U QUAD	.650"	161 (LBS.)	5050+
2 x CAT 5e 350 MHz	+ 2 x RG6/U QUAD + 2 FDDI FIBERS	.720"	177 (LBS.)	5051+
2 x CAT 5e 350 MHz	+ 1 x RG6/U QUAD	.565"	108 (LBS.)	5055•
1 x CAT 5e 350 MHz	+ 3 x RG6/U QUAD	.750"	164 (LBS.)	5057•
	+ 4 x RG6/U QUAD	.765"	177 (LBS.)	5058•+
2 x CAT 5e 350 MHz	+ 2 x RG6/U QUAD BC CONDUCTOR + 2 FDDI FIBERS	.725"	162 (LBS.)	5061•+
2 x CAT 5e 350 MHz	+ 2 x RG6/U QUAD BC CONDUCTOR	.650"	147 (LBS.)	5062•+

+Spool Only
• Consult factory for availability.

ProFusion™ Unjacketed Multimedia Cable

- Applications:** Residential Voice, Video and Data Cabling. No jacket to remove.
- Code Restrictions:** OK for Power-Limited Circuits, except those in Risers and Plenums.
- Features:** Available in 500 foot Spools.
- Construction:** Composite Constructions include 2 Cat 5e 24/4 Pair UTP Cables for Voice & Data, and 2 RG6/U Quad Shielded Satellite Grade Coaxial Cables tested to 3 GHz. No jacket to remove. Custom constructions available.



UNJACKETED MULTIMEDIA CABLE UL RATED

CAT CABLE	CONSTRUCTION COAX	NOM. O.D.	AVG. WT. PER MFT	PART #
2 x CAT 5e 350 MHz	+ 2 x RG6/U QUAD	.600"	116 (LBS.)	5060
2 x CAT 5e 350 MHz	+ 2 x RG6/U BC QUAD 3 GHz + 2 FDDI FIBERS	.650"	132 (LBS.)	5950
2 x CAT 6 500 MHz	+ 2 x RG6/U BC QUAD 3 GHz + 2 FDDI FIBERS	.700"	132 (LBS.)	5956
2 x CAT 6 500 MHz	+ 2 x RG6/U BC QUAD 3 GHz	.700"	150 (LBS.)	5957

Genesis Catlink Dual Zip

- Applications:** Multiple Communication Media.
- Code Restrictions:** OK for Power-Limited Circuits, except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Spools. Sequential Footage Markings.
- Construction:** Dual Zip Constructions include Cat 5e 24/4 Pair UTP Cable for Voice & Data joined to an RG6/U Quad Shield, Satellite Grade Coaxial Cable tested to 3 GHz or Option, RG6/U 100% Foil Shield & 60% Aluminum Braid.



ARTICLE 725

GENESIS CATLINK DUAL ZIP, UL RATED

CAT CABLE	COAX	DIAMETER	AVG. WT. PER MFT	PART#
24/4 PAIR CAT 5e	RG6/U QUAD 3 GHZ	.298 x .523"	60 (LBS.)	5066+
24/4 PAIR CAT 5e	RG6/U 60% 3 GHZ	.275 x .500"	53 (LBS.)	5067+

Notes: _____



Networking Cable

Honeywell's Genesis Series of Networking Cables are the main component of a communications system and a key determinant to its performance. Genesis Series Cable strictly adheres to quality manufacturing and exceeding the requirements set forth by TIA/EIA category requirements.

Features:

- Countdown
- Room Numbers on Legend
- Color Coded Boxes
- New Labeling System on Boxes
- 100% Guaranteed

Article 800

Communications Circuits, Voice & Data Cables.

The scope of this article covers: telephone, telegraph (except radio), voice and data.

Communications Cable:

Type CM, CMR, CMP, MP, MPR, MPP



NETWORK CABLE

Voice & Data Category 3, CM Rated

- Applications:** Voice and Low Speed Data. Sunlight Resistant.
- Code Restrictions:** OK for Power-Limited Circuits except those in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Speed Box or Spools.
- Construction:** UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms. Jacket Colors: White, Yellow, Orange, Red, Green, Blue, Gray, Beige. Conductor Color Code Chart 5.
- Maximum Attenuation at 16 MHz: 13.1 db/100 M**
Minimum NEXT at 16 MHz: 23 db

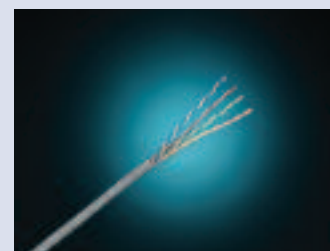


VOICE & DATA CATEGORY 3, CM RATED

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

Voice & Data Category 3, Riser Rated

- Applications:** Voice and Low Speed Data. Sunlight Resistant.
- Code Restrictions:** OK for Power-Limited Circuits except those in Plenums.
- Features:** Available in 500 foot or 1000 foot Speed Box or Spools.
- Construction:** UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms. Jacket Colors: White, Yellow, Orange, Red, Green, Blue, Gray, Beige. Conductor Color Code Chart 5.
- Maximum Attenuation at 16 MHz: 13.1 db/100 M**
Minimum NEXT at 16 MHz: 23 db



VOICE & DATA CATEGORY 3, RISER RATED

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

Voice & Data Category 3, Plenum Rated

- Applications:** Voice and Low Speed Data.
- Code Restrictions:** OK for Power-Limited Circuits.
- Features:** Available in 500 foot or 1000 foot Speed Box or Spools.
- Construction:** UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms. Jacket Colors: White, Yellow, Orange, Red, Green, Blue, Gray, Natural. Conductor Color Code Chart 5.
- Maximum Attenuation at 16 MHz: 13.1 db/100 M**
Minimum NEXT at 16 MHz: 23 db



ARTICLE 800

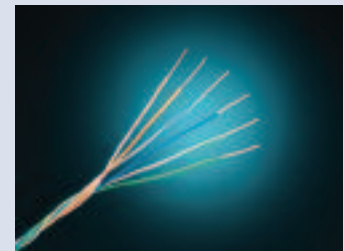
VOICE & DATA CATEGORY 3, PLENUM RATED

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

• Consult factory for availability.

Category 3 Cross Connect Wire

- Applications:** Voice Circuits.
- Code Restrictions:** OK for use with all Power-Limited Circuits, except in Risers and Plenums.
- Features:** Available on 1000 foot Spools.
- Construction:** Unjacketed, Unshielded Twisted Pairs, Polypropylene Insulation, Solid Bare Copper Conductors, Color Code Chart 5.
- Maximum Attenuation at 16 MHz: 13.1 db/100 M**
Minimum NEXT at 16 MHz: 23 db



CATEGORY 3 CROSS CONNECT WIRE

AWG	#/PAIR	IMP. OHMS	NOM. O.D.	NOM. CAP. PF/FT	AVG. WT. PER MFT	PART#
24	1	100	UTP	17	4 (LBS.)	1031
24	2	100	UTP	17	7 (LBS.)	1032

Voice & Data Category 5e, Riser Rated

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

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

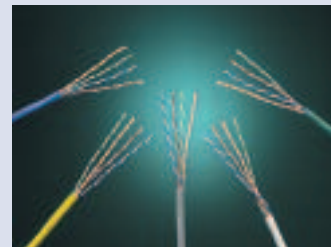
Features: Available in 1000 foot Speed Box or Reel-in-a-Box, Wire Dispensing System. Sequential Footage Markings.

Construction: UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms. Jacket Colors: White, Yellow, Orange, Red, Green, Blue, Gray. Conductor Color Code Chart 5.

Maximum Attenuation at 100 MHz: 22 db/100 M

Minimum PSNEXT at 100 MHz: 32 db

Tested to 350 MHz



VOICE & DATA CATEGORY 5E, RISER RATED

AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
24	4	100	UTP	.200"	15	FT4, CMR, CL2R	21 (LBS.)	5078
24	Dual 4	100	UTP/UTP	.410"	15	FT4, CMR, CL2R	43 (LBS.)	5079~

~500 foot RIB or 1,000 foot Spools in Blue only.

Voice & Data Category 5e, Plenum Rated

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

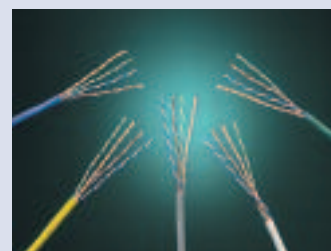
Code Restrictions: OK for Power-Limited Circuits.

Features: Available in 1000 foot Speed Box Wire Dispensing System. Ripcord and Sequential Footage Markings.

Construction: UTP Cables are Unshielded Twisted Pair Cables With A Nominal Impedance of 100 Ohms. Standard Jacket Colors are White, Blue, Gray. Conductor Color Code Chart 5.

Maximum Attenuation at 100 MHz: 22 db/100 M

Minimum PSNEXT at 100 MHz: 32 db



VOICE & DATA CATEGORY 5E, PLENUM RATED

AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
24	4	100	UTP	.200"	15	FT6, CMP, CL2P	27 (LBS.)	5088
24	Dual 4	100	UTP/UTP	.410"	15	FT6, CMP, CL2P	55 (LBS.)	5089•

• Consult factory for availability

Voice & Data, Enhanced 350, Plenum Rated

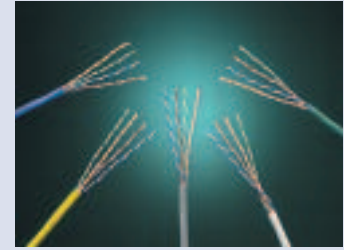
Applications: Voice, 10/100/1000 Mb/S Ethernet, 4/16 Mb/S Token Ring, FDDI TP-PMD, 155 Mb/S ATM and Gigabit Ethernet.

Code Restrictions: OK for use with all Power-Limited Circuits.

Features: Available in 1000 foot Speed Box or Reel-in-a-Box, Wire Dispensing System. Ripcord and Sequential Footage Markings.

Construction: UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 Ohms. Standard Jacket Color is Blue or White. Conductor Color Code Chart 5.

Maximum Attenuation at 100 MHz: 22 db/100 M
Maximum Attenuation at 350 MHz: 44.9 db/100 M
Minimum NEXT at 100 MHz: 38 db
Minimum NEXT at 350 MHz: 30 db



VOICE & DATA, PLENUM RATED, ENHANCED 350

AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
24	4	100	UTP	.200	14"	FT6, CMP, CL2P	22 (LBS.)	5101

FREQUENCY (MHz)	MAX ATTENUATION (db/100 m)	MIN NEXT (db)	MIN PSNEXT (db)	MIN PSACR (db/100 m)	IMPEDANCE (ohms)	MIN ELFEXT (db)	SRL (db)
0.772	1.8	70	67	65	NA	NA	NA
1	2.0	68	65	63	100 +/- 15	63.8	23
4	4.1	59	56	52	100 +/- 15	51.7	23
8	5.8	55	52	46	100 +/- 15	45.7	23
10	6.5	53	50	44	100 +/- 15	43.8	23
16	8.2	50	47	39	100 +/- 15	39.7	23
20	9.3	49	46	37	100 +/- 15	37.7	23
25	10.4	47	44	34	100 +/- 15	35.8	22
31.25	11.7	46	43	31	100 +/- 15	33.9	21
62.5	17.0	41	38	21	100 +/- 15	27.8	18
100	22.0	38	35	13	100 +/- 15	23.8	16
155	28.1	35	32	4	100 +/- 15	-	14
200	32.4	34	31	-	100 +/- 15	-	13
350	44.9	30	27	-	100 +/- 15	-	11

Voice & Data Water Resistant Category 5e

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

Code Restrictions: Intended for Conduit or Wet Location Applications.

Features: Available in 500 foot or 1000 foot Reels.

Construction: UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms. Jacket Colors: Black.



VOICE & DATA WATER RESISTANT CATEGORY 5E

AWG	#/PAIR	IMP. OHMS	CABLE TYPE	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
24	4	100	UTP	.200"	15	N/A	21 (LBS.)	5090

Voice & Data Category 6 Plus

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

Code Restrictions: OK for use with Power Limited Circuits.

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

Construction: UTP Cables are Unshielded Twisted Pair Cables with a Nominal Impedance of 100 ohms. Dielectric Separator Between Pairs. Standard Jacket Colors: White, Blue, Green. Consult Factory for Availability of Other Colors. Conductor Color Code Chart 5.

Genesis Catlink 6 Plus Exceeds TIA/EIA-568-B.2-1 Requirements For Category 6 and is Tested to 500 MHz



VOICE & DATA CATEGORY 6 PLUS, RISER RATED

AWG	#/PAIRS	NOM. O.D.	LISTINGS	AVG. WT. PER MFT	PART#
23	4	.240	FT4, CMR, CL2R	22 (LBS.)	5092

VOICE & DATA CATEGORY 6 PLUS, PLENUM RATED

AWG	#/PAIRS	NOM. O.D.	LISTINGS	AVG. WT. PER MFT	PART#
23	4	.240	FT6, CMP, CL2P	25 (LBS.)	5102

FREQUENCY (MHz)	MAX ATTENUATION (db/100 m)	MIN PSNEXT (db)	MIN PSACR (db/100 m)	MIN PSELFEXT (db)	MIN RL (db)
1	2.0	72	70	65	20
100	19.8	42	22	25	20
250	32.8	36	3	17	17
350	39.8	34	N/A	14	16
500	48.9	32	N/A	11	15



Coaxial Cable

Honeywell's Genesis Series of broadband and digital coaxial cables are tested to the highest standards to assure the best performance in high-end home theater installations, incorporating HDTV and digital video. Honeywell also manufactures a wide variety of baseband coaxial cables for CCTV and other applications applications.

Features:

- Countdown
- Room/Zone Markings on Legend
- Color Coded Boxes
- New Labeling System on Boxes
- 100% Guaranteed

Article 820

Community Antenna Television and Video Surveillance Systems (Coaxial Cable).

The scope of this article covers coaxial cable distribution of radio frequency signals typically employed in community antenna television (CATV) systems.

NEC Energy Limitations (NEC Section 820-2):

The coaxial cable shall be permitted to deliver low energy power to equipment directly associated with the radio frequency distribution system if the voltage is not over 60 volts and if the current supply is from a transformer or other device having energy-limiting characteristics.



COAXIAL CABLE

Coaxial Cable, Hyperband Premium Broadband

ARTICLE 820

Applications: Audio/Video, Radio Frequency, CATV-MATV, and Computer/Data Processing Transmissions. Sunlight Resistant.

Code Restrictions: OK for General Purpose use except in Risers and Plenums.

Features: Available in 500 foot or 1000 foot Speed Boxes or Spools; or 500 foot Reel-in-a-Box Wire Dispensing System. Sequential Footage Markings.

Construction: Foamed Dielectric Cores over Copper Covered Steel Center Conductors (CATV), Shields are available in various Aluminum Braid Coverages. Standard Jacket Colors are Black and White.



COAXIAL CABLE 75° C, HYPERBAND PREMIUM BROADBAND TESTED TO 2.4 GHz

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG59/U	40% AL	20 CCS	82	.244	16	CATV, CL2	25 (LBS.)	5006
RG6/U	40% AL	18 CCS	82	.275	16	CATV, CL2	31 (LBS.)	5010
RG6/U	80% AL	18 CCS	82	.275	16	CATV, CL2	35 (LBS.)	5011+
RG11	60% AL	14 CCS	82	.395	16	CATV, CL2	65 (LBS.)	5018+

+Spools Only

Satellite & Digital Coaxial Cable

Applications: Designed for High End Broadband Signal Transmission for satellite use. Fully swept tested to 3 GHz. Sunlight Resistant.

Code Restrictions: OK for General Purpose use except in Risers and Plenums.

Features: Available on 500 foot or 1000 foot Reel, or 500 foot or 1000 foot Speed Boxes or 500 foot Reel-in-a-Box Wire Dispensing System. Sequential Footage Markings.

Construction: Foamed Dielectric over Solid Copper Clad Steel or Bare Copper Center Conductors. Quad Aluminum/Foil-Aluminum/Braid Shields. Standard Jacket Colors are Black or White.



SATELLITE & DIGITAL COAXIAL CABLE 75° C TESTED TO 3 GHz

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG6/U	60% AL	18 CCS	82	.275	16	CATV, CL2	31 (LBS.)	5003
RG6/U	QUAD	18 CCS	82	.298	16	CATV, CL2	35 (LBS.)	5007
DUAL RG6/U	QUAD	18 CCS	82	.298 x .605	16	CATV, CL2	72 (LBS.)	5008+
DUAL RG6/U	40% AL	18 CCS	82	.275 x .565	16	CATV, CL2	69 (LBS.)	5012+
RG6/U	QUAD	18 BC	82	.298	16	CATV, CL2	36 (LBS.)	5027
RG6/U	60%AL	18 BC	82	.275	16	CATV, CL2	31 (LBS.)	5304

+Spools Only

Coaxial Cable, Hyperband Premium Broadband, Riser Rated

- Applications:** Audio/Video, Radio Frequency, CATV-MATV and Computer/Data Processing Transmissions. Sunlight Resistant.
- Code Restrictions:** OK for General Purpose use except in Plenums.
- Features:** Available in 500 foot or 1000 foot Speed Boxes or Spools; or 500 foot Reel-in-a-Box Wire Dispensing System. Sequential Footage Markings.
- Construction:** Foamed Dielectric Cores over Copper Covered Steel Center Conductors, Shields are available in various Aluminum Braid Coverages. Standard Jacket Colors are Black and White.



ARTICLE 820

COAXIAL CABLE 75°, HYPERBAND PREMIUM BROADBAND, RISER RATED, TESTED TO 3 GHz

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG6/U	60% AL	18 CCS	82	.275	16.5	CATVR, CL2R	33 (LBS.)	5303
RG6/U	QUAD	18 CCS	82	.298	16.5	CATVR, CL2R	33 (LBS.)	5307

Coaxial Cable, Hyperband Premium Broadband, Plenum Rated

- Applications:** Audio/Video, Radio Frequency, CATV-MATV and Computer/Data Processing Transmissions.
- Code Restrictions:** OK for General Purpose use.
- Features:** Available In 500 foot or 1000 foot Tangle-Free Boxes, Spools, or Reel-in-a-Box, Wire Dispensing System 500 foot
- Construction:** Solid and Foamed Dielectric Cores over Copper Covered Steel Center Conductors (CATV), Shields are available in Copper as well as Aluminum. Various Braid Coverages are available. Standard Jacket Color is Natural.



COAXIAL CABLE 75° C, HYPERBAND PREMIUM BROADBAND, PLENUM RATED

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG6/U	65% AL	18 CCS	82	.242	16	CATVP, CL2P	36 (LBS.)	5353
RG6/U	QUAD	18 CCS	82	.276	16	CATVP, CL2P	41 (LBS.)	5356+

+ Spools Only

CATV Coaxial Cable, Water Resistant Use

- Applications:** Audio/Video Wiring for Outdoor or Underground use. Sunlight Resistant.
- Code Restrictions:** Intended for Outdoor, Conduit or Wet Location Applications.
- Features:** Available on 500 foot or 1000 foot Spools.
- Construction:** Solid and Foamed Dielectric Cores over Solid Copper Covered Steel Conductor, Low Density, High Molecular Weight, Polyethylene Jacket. Jacket Color Black.



CATV COAXIAL CABLE, WATER RESISTANT USE

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	AVG. WT. PER MFT	PART#
RG6/U	60% AL	18 CCS	82	.275	16	32 (LBS.)	5105
RG6/U	QUAD	18 CCS	82	.300	16	32 (LBS.)	5106

3 GHz Digital Video Cable

- Applications:** HDTV, High-End Broadband Signal Transmissions for Satellite Use, Production and Digital Broadcast.
- Code Restrictions:** OK for General Purpose use except in Riser and Plenums.
- Features:** Available in 500 foot Box, 1,000 foot Box and 1,000 foot Reel.
- Construction:** Foamed Dielectric over Solid Bare Copper Center Conductor. 95% TC Braid & 100% Foil Shields. White PVC Jacket.



3 GHZ DIGITAL VIDEO CABLE

STYLE	SHIELD	AWG	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG6/U	95% TC 100% Foil	18 BC	0.280"	16.5	CATV CL2	39 lbs.	5361

Crystal Series Digital and HDTV Coaxial Cable

Applications: High-End Home Theater, HDTV, Production, Satellite, Analog and Digital Broadcast.

Code Restrictions: OK for General Purpose use except in Riser and Plenums.

Features: Available in 500 foot Reel-in-a-Box. Tested to 3 GHz.

Construction: Foamed Dielectric over Solid Bare Copper Center Conductor. 95% TC Braid and 100% Foil Shields. Extra-Flexible Red, Green, Blue, Yellow, Orange and White Jacket.



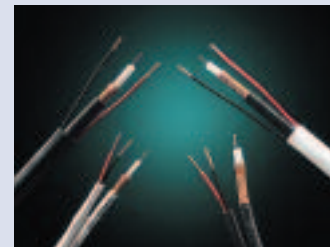
ARTICLE 820

SERIAL DIGITAL AND HDTV COAXIAL CABLE

STYLE	SHIELD	AWG	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG6	95% TC 100% Foil	18 BC	0.280"	16.5	CATV CL2	33 lbs.	5363

Coaxial Cable, Baseband

- Applications:** Audio/Video, Radio Frequency, and CCTV Transmissions. Sunlight Resistant.
- Code Restrictions:** OK for General Purpose use except in Risers and Plenums.
- Features:** Available In 500 foot or 1000 foot Tangle-free Boxes or Spools, or 500 foot Reel-in-a-Box Wire Dispensing System. Sequential Footage Markings.
- Construction:** Foamed Dielectric Cores Over Solid Copper Conductors with Bare Copper Braid Shield. Standard Jacket Colors: Black, White.



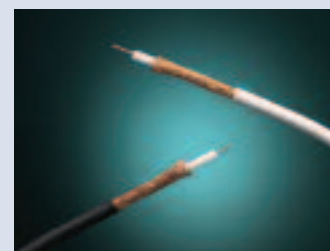
COAXIAL CABLE, 75° C BASEBAND

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG59/U	95% BC	20 BC	78	.242	18	CL2	36 (LBS.)	5001
RG6/U	95% BC	18 BC	78	.275	18	CL2	42 (LBS.)	5002
RG59/U & 18/2	95% BC	20 BC	78	.360 x .285	18	CL2	66 (LBS.)	5009*+
RG59/U +18/2								
Siamese	95% BC	20 BC	78	.421 x .245	18	CL2	60 (LBS.)	5013+

*Composite (under one jacket)
+Spools Only

Coaxial Cable, Baseband, Riser Rated

- Applications:** Audio/Video, Radio Frequency, and CCTV Transmissions. Sunlight Resistant.
- Code Restrictions:** OK for General Purpose use except in Plenums.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools; or 500 foot Reel-in-a-Box Wire Dispensing System. Sequential Footage Markings.
- Construction:** Foamed Dielectric Cores over Solid Copper Conductors with Bare Copper Braid Shield. Standard Jacket Colors: Black, White.



COAXIAL CABLE, 75°C BASEBAND, RISER RATED

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG59/U	95% BC	20 BC	78	.232	18	CL2R, FT4	38 (LBS.)	5301
RG6/U	95% BC	18 BC	78	.270	18	CL2R, FT4	45 (LBS.)	5302

Coaxial Cable, Baseband, Plenum Rated

- Applications:** Audio/Video, Radio Frequency, and CCTV Transmissions.
- Code Restrictions:** OK for General Purpose use.
- Features:** Available in 500 foot or 1000 foot Tangle-Free Boxes or Spools; or 500 foot Reel-in-a-Box Wire Dispensing System. Sequential Footage Markings.
- Construction:** Solid and Foamed Dielectric Cores over Solid Bare Copper or Copper Covered Steel Conductors with Bare Copper Braid Shield. Standard Jacket Color is Natural.



ARTICLE 725

COAXIAL CABLE 75° C, BASEBAND, PLENUM RATED

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
RG59/U	95% BC	20 BC	82	.200	16	CL2P, FT6	39 (LBS.)	5351
RG6/U	95% BC	18 BC	82	.230	16	CL2P, FT6	47 (LBS.)	5352
RG59/U + 18/2								
Siamese	95% BC	20 BC	82	.421 x .245	18	CL2P, FT6	65 (LBS.)	5355

CCTV Coaxial, Water Resistant Use

- Applications:** Audio/Video Wiring for Outdoor or Underground use. Sunlight Resistant.
- Code Restrictions:** Intended for Outdoor, Conduit or Wet Location Applications.
- Features:** Available on 1000 foot Spools.
- Construction:** Solid and Foamed Dielectric Cores over Solid Copper Center Conductors, Low Density, High Molecular Weight, Polyethylene Jacket. Jacket Color: Black



CCTV COAXIAL CABLE, WATER RESISTANT USE

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	AVG. WT. PER MFT	PART#
RG59/U	95% BC	20 BC	82	.2475	18	36 (LBS.)	5103
RG59/U + 18/2	95% BC	20 BC	82	.421 x .245	18	65 (LBS.)	5104

Camera Video Cable with Power Options

ARTICLE 725

- Applications:** CCTV Video Wiring.
- Code Restrictions:** OK for General Purpose use except in Risers and Plenums.
- Features:** Available on 500 foot or 1000 foot Spools.
- Construction:** Foamed Dielectric Cores over Bare Copper or Copper Covered Steel Conductors with Bare Copper Braid Shield.
Jacket Colors: Black or White.



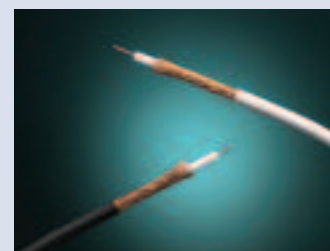
CAMERA VIDEO CABLE WITH POWER OPTIONS

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	AVG. WT. PER MFT	PART#
RG59/U & 18/2	95% BC	20 BC	78	.360 x .285	18	66 (LBS.)	5009*
RG59/U & 18/2 Siamese	95% BC	20 BC	78	.421 x .245	18	60 (LBS.)	5013
75 Ohm Mini + 20/2	95% BC	24 BC	78	.145 x .278	18	29 (LBS.)	5022
RG6/U & 18/2	95% BC	18 BC	78	450 x 275	18	35 (LBS.)	5119

*Composite (under one jacket)

Mini 75 Ohm CCTV Coaxial Cable

- Applications:** Designed for high density camera use, and camera runs of up to 375 feet. Allows camera installers to reduce the space needed for coax runs and rack systems associated with high surveillance areas such as casinos, retail stores, schools, and banking institutions. Sunlight Resistant.
- Code Restrictions:** OK for General Purpose use except in Risers and Plenums.
- Features:** Available in 500 foot or 1000 foot Reels. Standard CCTV Equipment.
- Construction:** Coax has Foamed Dielectric Core over Sold Copper Center Conductor with Bare Copper Braid Shield. Zip Construction has 2 Stranded, Twisted, Polypropylene Insulated Conductors Attached to Coax Cable. Standard Jacket Colors: Black, Blue, Green Red, Yellow or White.



MINI 75 OHM CCTV COAXIAL CABLE 75° C

STYLE	SHIELD	AWG	NOM. VP	NOM. O.D.	NOM. CAP. PF/FT	LISTINGS	AVG. WT. PER MFT	PART#
75 Ohm	95% BC	24	78	.145	18	CL2	15 (LBS.)	5020
75 Ohm + 20/2	95% BC	24	78	.145 x .278	18	CL2	29 (LBS.)	5022

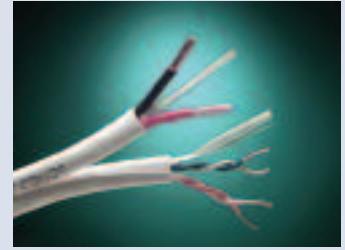
Unshielded Twisted Pair for CCTV Applications

Applications: For closed circuit television (CCTV) - video, power and control signals within a single Unshielded Twisted Pair (UTP) cable.

Features: Category 5e tested to 200 MHz, available for Riser and Plenum applications, ripcord and sequential footage markers on cable, 100% guaranteed.

Product Benefits: Unshielded Twisted Pair (UTP) Structured Premise Cabling permits many communication protocols to reside in the same wire bundle, including voice, data, and CCTV video and control with 2 conductors for power supply requirements. Benefits of structured UTP cabling include:

- Better EMI interference rejection than coaxial cable.
- UTP is less expensive than dedicated coax or fiber.
- PAN/TILT/ZOOM Signals.
- Longer distance runs.
- Physically smaller than coaxial alternatives.
- UTP is extremely easy to install and terminate.

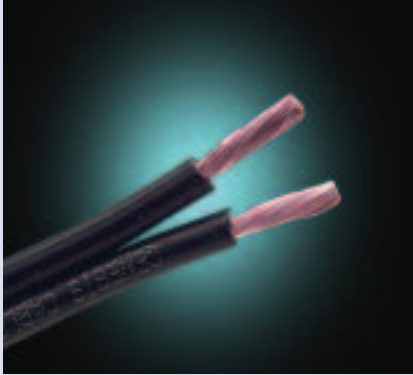


UTP FOR CCTV APPLICATIONS

POWER	UTP	DIAMETER	LISTINGS	PART#
16/2 STR	Cat 5e 24/2 pair	0.170" x .360"	CMR, CL2R, FT4	5281
16/2 STR	Cat 5e 24/2 pair	0.170" x .360"	CMP, CL2P, FT6	5381

UNDERGROUND / WATER RESISTANT CABLE

(LIGHTING, CATEGORY 5e, CATV, CCTV, AUDIO & FIRE ALARM)



Underground Lighting

AWG	COND	STR	Nom. OD	AVG WT	Putup	Part #
8	2	7 X 24/30 STR BC	.295" X .590"	225 lbs	250', 500', 1,000'	1017
10	2	104/30 STR BC	.220" X .440"	120 lbs	250', 500', 1,000'	1018
12	2	65/30 STR BC	.190" X .390"	82 lbs	500', 1,000'	1019
14	2	41/30 STR BC	.165" X .345"	50 lbs	250', 500', 1000'	1021

Category 5e

AWG	Pairs	Color	Putup	Description	Part#
24	4	Black	1,000'	Category 5e	5090



CATV

Style	Shield	AWG	Putup	Color	Part#
RG6	60%	18 CCS	1,000'	Black	5105
RG6	Quad	18 CCS	1,000'	Black	5106

CCTV

Style	Shield	AWG	Putup	Color	Part#
RG59	95%	20 BC	1,000'	Black	5103
RG59+18/2	95%	20 BC	1,000'	Black	5104

Audio Oxygen Free UL, CL2, CL3

AWG	Cond	STR	Putup	Color	Part#
16	2	65 STR Oxygen Free	500'	Black	5283
16	4	65 STR Oxygen Free	500'	Black	5284
14	2	105 STR Oxygen Free	500'	Black	5285
14	4	105 STR Oxygen Free	500'	Black	5286



Fire Alarm Power Limited

AWG	Cond	STR	Listing	Putup	Color	Part#
18	2	STR	FPL	1,000'	Black	4156
18	4	STR	FPL	1,000'	Black	4157
18	6	STR	FPL	1,000'	Black	4158
16	2	STR	FPL	1,000'	Black	4151
14	2	STR	FPL	1,000'	Black	4153
14	4	STR	FPL	1,000'	Black	4154

Genesis Series Cable

The Genesis Series includes a full line of low voltage cables used for voice, CCTV, video, data, access control, fire alarm, security, home theater and audio applications.

To learn more about Genesis Series Low Voltage Cable: 7701 95th Street, Pleasant Prairie, WI 53158
 Phone: 800-222-0060 Web: www.honeywellcable.com



Technical Data

The NEC is a highly regarded handbook resource and considered the most comprehensive document on electrical safety. The NEC was developed by a large cross section of representatives from the electrical industry (electricians, engineers, code enforcers, researchers, testers, insurers, etc.).

The NEC explains current code requirements and discusses pertinent code changes. Specific technical language is contained in the handbook with complete information on:

- Code Requirements and Application
- Code Intent
- Code Restrictions
- Code Interpretations

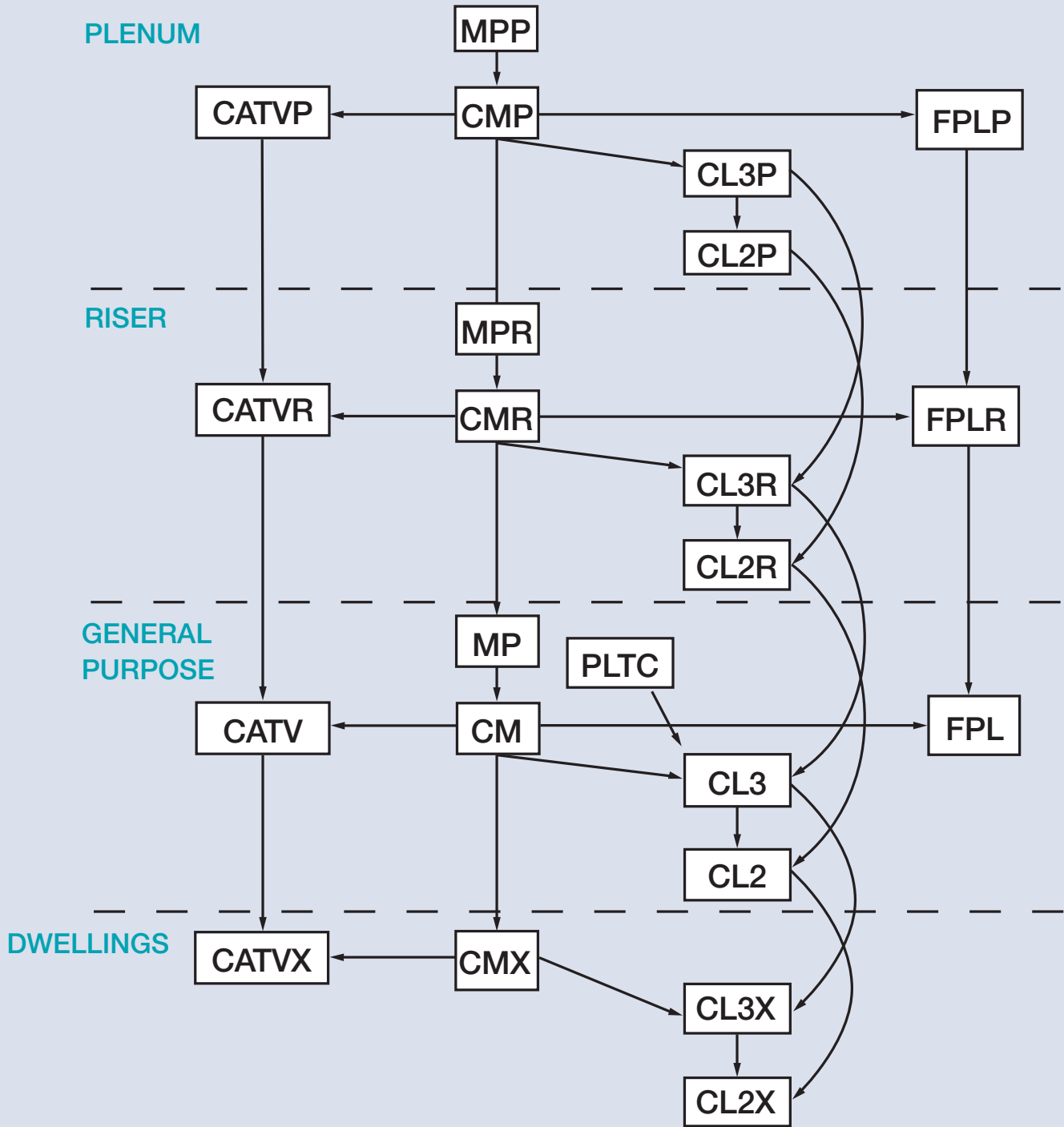
In addition, historical trends are examined, and tables and illustrations are provided. The NEC is divided into sections, containing articles on specific electrical subject areas.

Community code for installations are usually based on information or requirements in the NEC. For convenience, the Genesis catalog has identified pertinent NEC articles and scope of article for each cable group as well as provided useful information to help with ordering appropriate cable.

TECHNICAL DATA

Cable Substitution Hierarchy

TECHNICAL DATA



- | | |
|--------------------|---|
| Type CM - | Communications Wires and Cables |
| Type CL2 and CL3 - | Class 2 and Class 3 Remote-Control, Signaling, and Power-Limited Cables |
| Type FPL - | Power Limited Fire Alarm Cables |
| Type MP - | Multipurpose Cables |
| Type PLTC - | Power-Limited Tray Cable |
| Type CATV - | Community Antenna Television Cable |

Conductor Color Code Charts

CHART 1 — MULTI CONDUCTOR CABLES (UP TO 12)

CONDUCTOR	COLOR	CONDUCTOR	COLOR	CONDUCTOR	COLOR
1	BLK	5	BRN	9	PPL
2	RED	6	BLU	10	GRY
3	WHT	7	ORG	11	PNK
4	GRN	8	YEL	12	TAN

EXCEPTION: (1103 and 2103) SOL=BLACK, RED, YELLOW, GREEN

CHART 2 — MULTI CONDUCTOR CABLES (OVER 12)

CONDUCTOR	COLOR/STRIPE	CONDUCTOR	COLOR/STRIPE	CONDUCTOR	COLOR/STRIPE
1	BLK	6	BLU	11	BLU/BLK
2	WHT	7	WHT/BLK	12	BLK/ WHT
3	RED	8	RED/BLK	13	RED/WHT
4	GRN	9	GRN/BLK	14	GRN/WHT
5	ORG	10	ORG/BLK	15	BLU/WHT

CHART 3 — MULTI PAIR CABLES

PAIR #	COND 1/COND 2	CONDUCTOR	COND 1/COND 2	CONDUCTOR	COND 1/COND 2
1	BLK/RED	3	BLK/GRN	5	BLK/YEL
2	BLK/WHT	4	BLK/BLU	6	BLK/BRN

- KEY:**
- BLK Black
 - WHT White
 - GRN Green
 - BRN Brown
 - PNK Pink
 - BLU Blue
 - ORG Orange
 - YEL Yellow
 - PPL Purple
 - GRY Gray

OTHER EXCEPTIONS ARE NOTED ON SPECIFIC PAGE

Conductor Color Code Charts

CHART 4 – FIRE ALARM CABLES

CONDUCTOR	COLOR	CONDUCTOR	COLOR	CONDUCTOR	COLOR
1	BLK	5	BRN	9	TAN
2	RED	6	BLU	10	ORG
3	GRN	7	PPL	11	BLK/WHT
4	YEL	8	PNK	12	RED/WHT

CHART 5 – VOICE AND DATA CABLES

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

CHART 6 – THERMOSTAT WIRE

CONDUCTOR	COLOR	CONDUCTOR	COLOR	CONDUCTOR	COLOR
1	RED	5	YEL	9	PNK
2	WHT	6	BRN	10	GRY
3	GRN	7	ORG	11	TAN
4	BLU	8	BLK	12	PPL

- KEY:**
- BLK Black
 - WHT White
 - GRN Green
 - BRN Brown
 - PNK Pink
 - BLU Blue
 - ORG Orange
 - YEL Yellow
 - PPL Purple
 - GRY Gray

OTHER EXCEPTIONS ARE NOTED ON SPECIFIC PAGE

Voice & Data Cables

BASE PART NUMBERS FOR 4 PAIR CABLES	CATEGORY 3	CATEGORY 5e	350 MHz ENHANCED CATEGORY 5e	CATEGORY 6 PLUS
General Purpose (CM)	4933			
Riser (CMR)	5033	5078		5092
Plenum (CMP)	5043	5088	5101	5102

Packaging Options: 500 foot or 1000 foot Tangle Free Speed Box or Reel-in-a-Box Wire Dispensing System.

Jacket Colors: White, Yellow, Orange, Red, Green, Blue, Gray, Beige

NOTE: Not all products are available in all packaging options or jacket colors.

ANSI/TIA/EIA-568B Telecommunications Cabling Standards for: Category 3, Category 5e, 350 MHz Enhanced Category 5e and Category 6 PLUS Unshielded Twisted Pairs (UTP)

Horizontal UTP Cable Attenuation db/100m (328 ft)

Horizontal UTP Cable NEXT Loss, db (Worst Pair Combination) 100m (328 ft)

Freq (MHz)	CATEGORY 3		CATEGORY 5e		350 MHz ENHANCED CATEGORY 5e		CATEGORY 6 PLUS	
	Loss	NEXT	Loss	NEXT	Loss	NEXT	Loss	NEXT
1	2.6	41	2.0	62	2.0	65	2.0	72.3
16	13.1	23	8.2	44	8.2	47	7.6	54.2
32	20.7	19	11.8	40	11.8	43	10.8	49.7
100	--	--	22.0	32	22.0	35	19.8	42.3
200	--	--	32.4	28	32.4	31	29.0	37.8
350	--	--	44.9	27*	44.9	30	39.8	34.1
500	--	--	--	--	--	--	48.9	31.8

* 350 MHz Non-Plenum only.

Joint Warranties:

ADC Telecommunications	25 years
Grey Fox	15 years
Hellerman-Tyton	25 years
Hubbell Premise Wiring	25 years
ICC	30 years
Leviton Telcom (Residential)	15 years
Pass & Seymour	15 years
OnQ Technologies (Residential)	15 years
Superior Modular	25 years
Suttle	15 years
Thomas & Betts (CFN)	15 years

Genesis 15 Year Warranties:

- Avaya
- Leviton Telcom (Commercial)
- Molex
- Panduit
- Ortronics
- Siemon

UL Rated Safety Compliance • ETL Verified Electrical Performance • ISO 9001: 2000 Registered

Commercial Building Telecommunications Cabling Standard

The following tables list attenuation and near-end crosstalk (NEXT) specifications from ANSI/TIA/EIA-568A for Category 3, Category 5 and 6 unshielded twisted pair (UTP) cables.

TABLE 1: HORIZONTAL UTP CABLE ATTENUATION dB/100 M (dB/1000 FT)

FREQUENCY (MHZ)	CATEGORY 3	CATEGORY 5e	CATEGORY 6
0.772	2.2 (6.7)	1.8 (5.5)	1.8 (5.5)
1.0	2.6 (7.9)	2.0 (6.1)	2.0 (6.1)
4.0	5.6 (17.1)	4.1 (12.5)	3.8 (11.6)
8.0	8.5 (25.9)	5.8 (17.7)	5.3 (16.2)
10.0	9.7 (29.6)	6.5 (19.8)	6.0 (18.3)
16.0	13.1 (39.9)	8.2 (25.0)	7.6 (23.2)
20.0	-	9.3 (28.4)	8.5 (25.9)
25.0	-	10.4 (31.7)	9.5 (29.0)
31.25	-	11.7 (35.7)	10.7 (32.6)
62.5	-	17.0 (51.8)	15.4 (47.0)
100.0	-	22.0 (67.1)	19.8 (60.4)
200.0	-	-	29.0 (88.4)
250.0	-	-	32.8 (100.0)

TABLE 2: HORIZONTAL UTP CABLE NEXT LOSS, dB (WORST PAIR COMBINATION) 100M (328 FT)

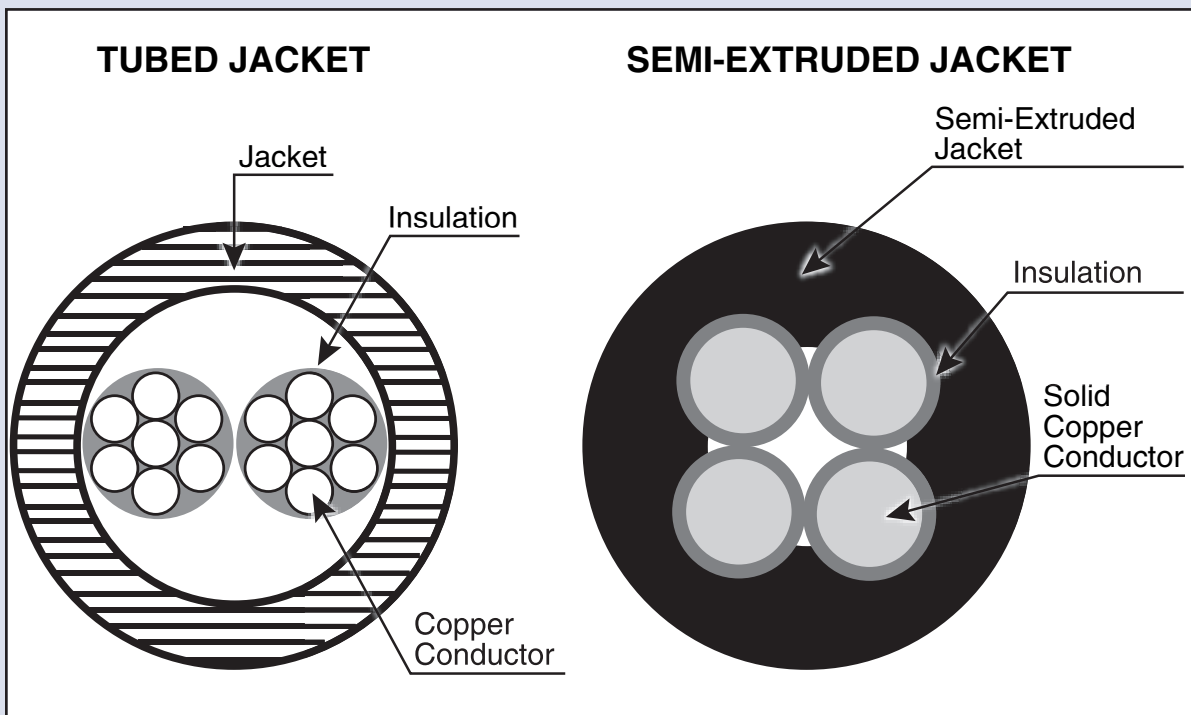
FREQUENCY (MHZ)	CATEGORY 3	CATEGORY 5e	CATEGORY 6
0.772	43	67	76
1.0	41	65	74
4.0	32	56	65
8.0	27	52	61
10.0	26	50	59
16.0	23	47	56
20.0	-	45	55
25.0	-	44	53
31.25	-	42	52
62.5	-	38	47
100.0	-	35	44
200.0	-	-	40
250.0	-	-	38

Genesis Semi-Extruded Jacket

Genesis Cable Products most popular constructions have the added feature of semi-extruded rather than tubed jackets. Semi-extruded jackets “mold” the conductors in place. This prevents the movement of the conductors under the jacket. When conductors move under their jacket, they can “cross-over” themselves. This creates a convolution or “high-spot” on the outer jacket. If compressed with a staple at this point a conductor fracture or “short” may occur.

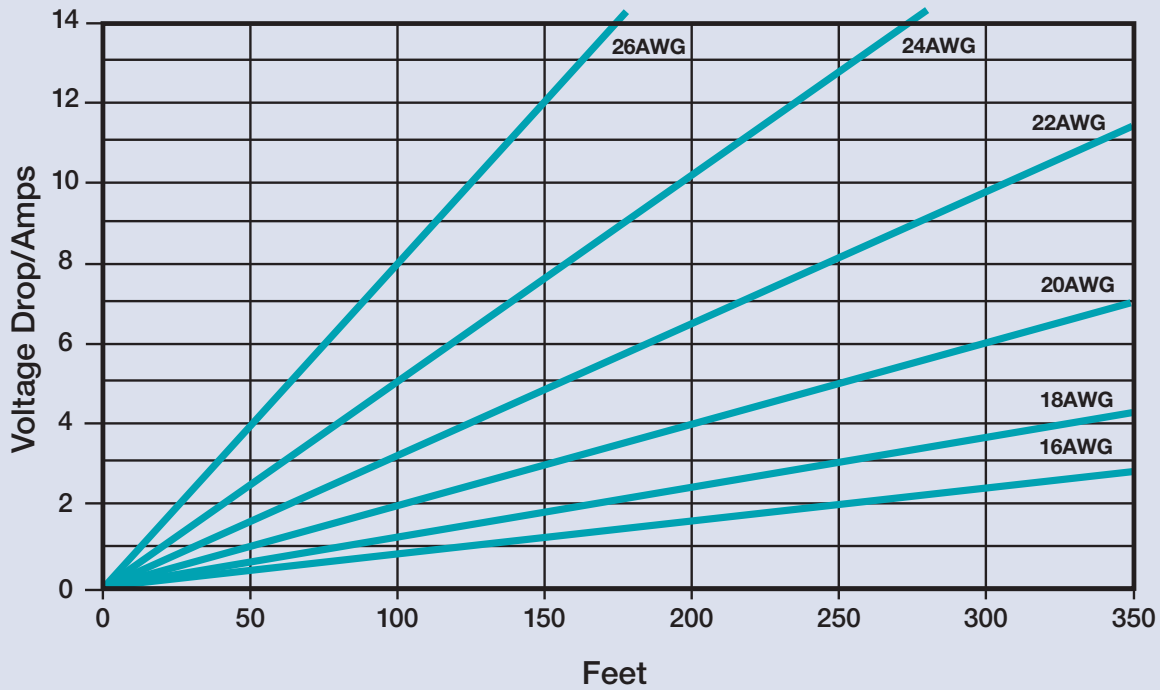
Extruded jackets fit tightly over the conductors to prevent movement. This can create slightly more resistance when removing the jacket. To assure that the jacket never bonds to the conductor, Genesis uses polypropylene insulation. Polypropylene will not bond to PVC (the jacketing material). Furthermore, polypropylene is electrically superior to PVC.

Although extruded jacket cable constructions are more expensive to produce, they pay for themselves many times over in avoiding costly labor charges due to tracing “shorts” and replacing damaged cables.



Voltage Drop and Recommended Footage Chart

APPROXIMATE VOLTAGE DROP AT 68° F



The chart above shows the approximate values for the AC resistive component of the circuit impedance.

Example: What is the voltage drop for a 18 AWG 2/C carrying 3 amps over a distance of 100 feet?

$$\begin{aligned}
 \text{Voltage-drop} &= \text{voltage-drop/amp} \times \text{amp} \\
 &= 1.2 \times 3 \\
 &= 3.6 \text{ Volts}
 \end{aligned}$$

RECOMMENDED FOOTAGE/AWG AUDIO CABLE

Maximum Cable Length (ft)						
Acceptable Loss (%)	4 Ohm Speaker			8 Ohm Speaker		
	10%	20%	50%	10%	20%	50%
12 AWG	250	500	1250	500	1000	2500
14 AWG	150	300	750	300	600	1500
16 AWG	95	190	475	190	380	950

Honeywell

Part Numbers, Packaging & Color Codes

All Genesis Series Cable products come with an 8 digit part number.

The first 4 digits represent the product.
 The next two digits represent the packaging.
 The last two digits represent the color code.



For example:
 This is a 500' Box of Black RG6U 60% AL

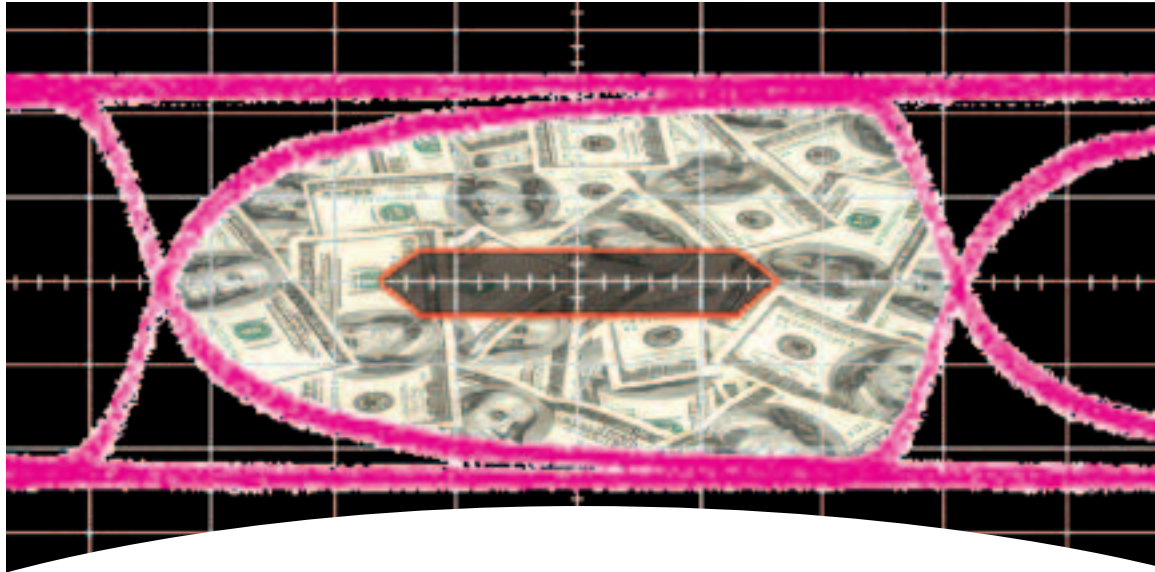
5003 = RG6U 60% AL
 55 = 500' Pull Out Box
 08 = Black

Packaging Code	Put Up
01	1 x 250' reel
03	4 x 250' reel
10	1000' reel
11	1000' pull box
18	1000' speedbag
21	1000' reel in a box
48	4 x 500' reel
50	500' reel
55	500' box
58	500' speedbag
61	500' reel in a box

Color Code	Color
01	white
02	yellow
03	orange
04	red
05	green
06	blue
07	brown
08	black
09	gray
10	purple
11	pink
12	natural
13	beige

Honeywell

eye popping results



Honeywell's HDMI test results mean dealer profitability.

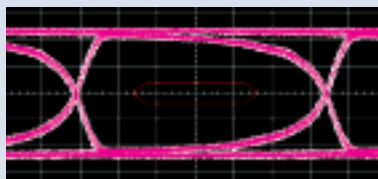
Time spent in front of a customer is incredibly valuable and should be spent talking about the most profitable products you carry. Use the Eye Pattern Test Results to explain to your customers that Honeywell's HDMI cables will pass the very best HD possible - qualifying your expertise, and driving your profitability!

Honeywell

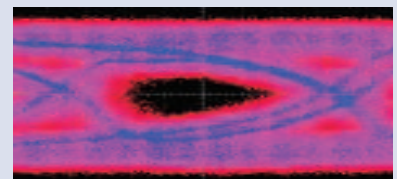
For more information, please call **800.222.0060** or visit www.honeywellcable.com.
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Eye Diagram Test results graphically depict transmission of a digital signal. The Eye Diagram gets its name because a good result resembles an eye. A wide opening, thin lines and a symmetrical shape are all indicators of a good result. The area inside the eye pattern represents headroom versus minimal compliance. Any area of the pattern that touches the polygon represents a failure.

A good result



A bad result



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1106	12	1266	15	2218	18	3206	22	4113	32
1107	12	1270	10	2219	18	3207	22	4114	32
1108	12	1272	10	2220	18	3208	22	4115	32
1109	12	1273	15	2221	18	3209	22	4151	32, 80
1110	12	1274	15	2222	18	3210	22	4153	32, 80
1111	12	1275	15	2223	18	3212	22	4154	32, 80
1112	12	1278	10	2224	18	3213	22	4156	32, 80
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1121	12	1290	15	2237	19	3219	22	4204	33
1122	12	1291	15	2239	19	3220	22	4205	33
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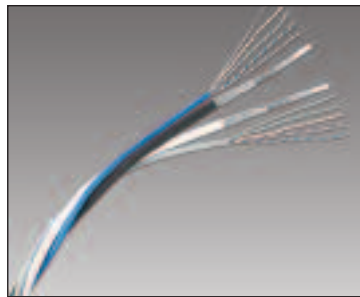
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4703	30	5043	67	5302	76	7501NS01	51		
4704	30	5044	67	5303	73	7503NS01	51		
4705	30	5050	62	5304	72	76013P01	52		
4706	30	5051	62	5307	73	7601NS01	52		
4707	30	5052	40	5351	77	76023P01	52		
4708	30	5055	62	5352	77	7602NS01	52		
4709	30	5057	62	5353	73	76033P01	52		
4710	30	5058	62	5355	77	7603NS01	52		
4711	30	5060	62	5356	73	7703NS01	52		
4712	30	5061	62	5361	74	7705NS01	52		
4713	30	5062	62	5363	42, 75	7710NS01	52		
4714	30	5066	63	5381	79	7715NS01	52		
4715	30	5067	63	5400	56	7801NS01	52		

Note:
Conductor Color
code Charts are on
pages 83 and 84.

problem solved



Honeywell introduces Genesis Series jacketless multimedia cable; the simplest, most cost effective solution for residential structured cable applications. Individual cables are held together by a revolutionary tight continuous twist scheme. This twist scheme holds the cables together without any binding tapes or adhesive materials. Our twisting method prevents any deterioration of the original cable's performance.

Honeywell's jacketless design saves valuable time for the installation professional by eliminating the need to remove an outer jacket. This construction is lighter, more flexible and has an over-all diameter smaller than other bundled cables. Cold weather cracking is reduced by the added flexibility of this non-bonded design. In addition to the multi-media cable, other constructions are available.

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For more information, please call **1-800.222.0060** or visit **www.genescable.com**.

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See our full line catalog or visit www.honeywellcable.com to see our full product listing of low voltage wire and cable.

- Thermostat
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- Security
- Sound
- Video
- Voice & Data
- And Much More!

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