

EDUCATION

RapidRun™

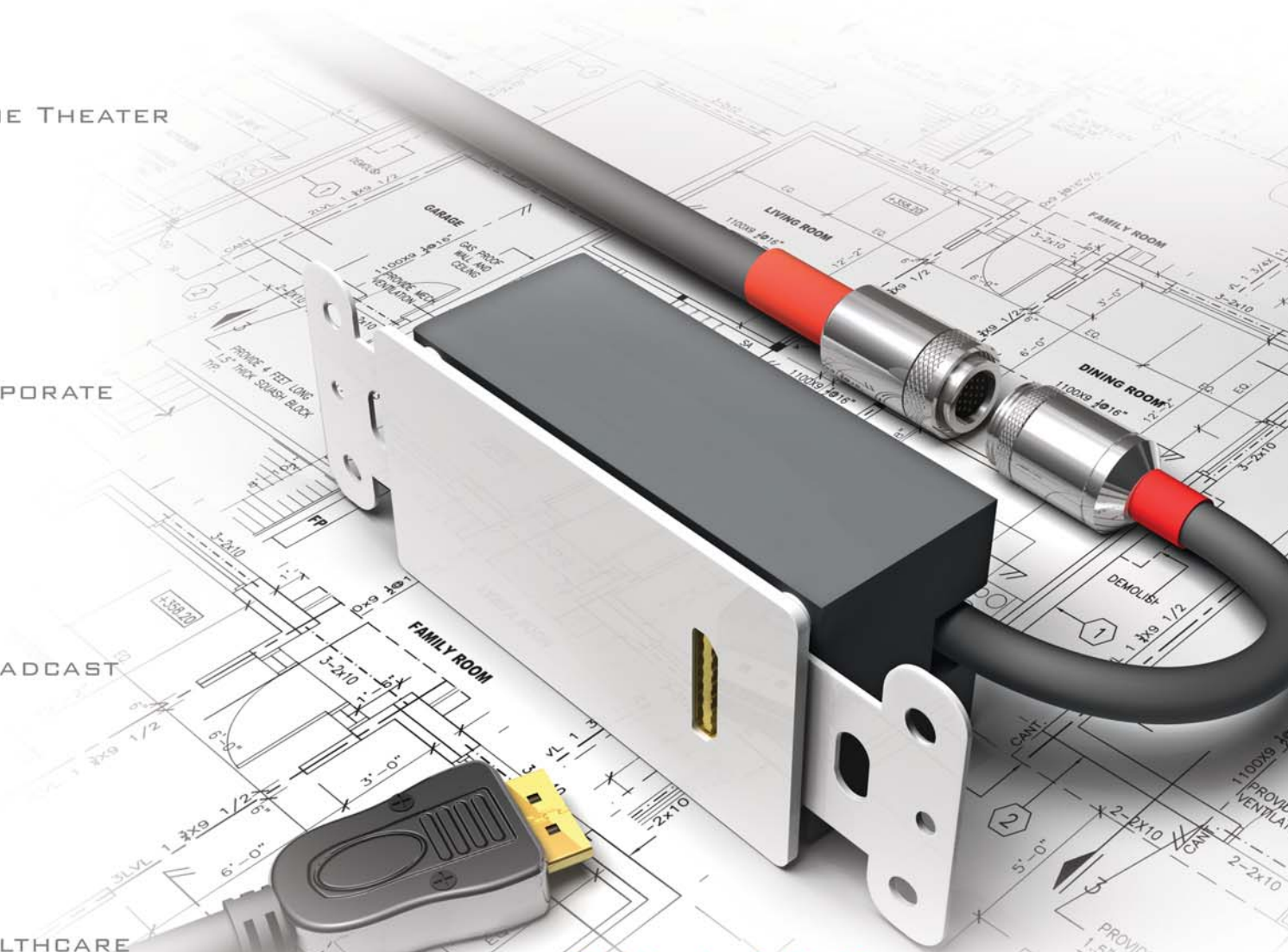
Rapid Installation. Endless Application.

HOME THEATER

CORPORATE

BROADCAST

HEALTHCARE



***Faster Installations.
Rapid Return On Investment...***

RapidRun™ Break-Away Technology

Break Away From Rigid Connection Choices with Adaptable, Efficient Break-Away Terminations.

You'll select from two Break-Away termination options: Decora®-compatible Break-Away wall plates and Break-Away Flying Leads. Just choose the right termination for your application – without having to worry about performance variation or installation barriers. In fact, you can even mix flying leads with wall plates. For example, opt for flying leads when cables terminate directly to the back of an A/V component rack, and use a wall plate when it will be visible next to a projector.

You have a choice of more than 20 signal configurations with RapidRun Break-Aways. Combined with your choice of wall plate colors and flying lead lengths, RapidRun offers more than 100 configuration options! For easy disguise on a theater ceiling, Break-Away wall plates are available in traditional white, ivory and black. Plus, Break-Away flying leads are available with 24-karat gold-plated connectors in lengths of 1.5ft, 3ft, 6ft and 10ft. Combined with our unique DIN wall plates, they truly do provide the ultimate flexibility and utility.

Most importantly, the versatility of RapidRun is unsurpassed because it can grow as your system grows. Imagine this: you build your dream home theater system with a new 50" plasma screen and transfer your 27" TV to the bedroom. You can simply run an HT Runner cable terminated with S-Video and stereo audio to play DVDs or PVR programs from the living room on the TV in your bedroom. Then when you're ready to upgrade your 27" bedroom TV to a 42" LCD, you can just change the Break-Away terminations. Component video and stereo audio (or S/PDIF digital audio) Break-Away terminations will turn your bedroom into a theater everyone will envy – for less than the cost of a family outing to the movies!

Each Break-Away is color-coded to match with an appropriate Runner:

- Red Break-Aways are compatible with red digital Runners
- Blue Break-Aways are compatible with blue Home Theater (5-coax) Runners
- Yellow Break-Aways are compatible with yellow PC/Video Runners
- Green Break-Aways are compatible with both yellow and blue Runners (remember: yellow and blue make green)

Just match the colors and you can't go wrong!

RapidRun Digital Exclusive:

The FIRST wall plate solution with an integrated equalizer/extender!

With NO DEGRADATION of signal or resolution, our patent-pending RapidRun Digital active wall plate extends the Runner's transmission capability up to 65ft. – making it ideal for home theaters, multi-room hookups and longer runs. Conveniently fitting into any standard electrical box, it's the first HDMI™ and DVI™ wall plate solution with an integrated equalizer/extender.



About RapidRun™

Award Winner



RapidRun is the first modular cabling system built from the ground up to save installation time, accommodate last-minute changes, and reduce the likelihood of return service calls due to faulty field terminations. It truly is an evolutionary product, designed to evolve with customers' constantly expanding needs.

RapidRun pioneered a modular wall plate, providing the reliability of a factory termination in the field – plus RapidRun Digital offers the first full bandwidth digital video wall plate solution with an integrated equalizer/extender. And the engineers of RapidRun aren't finished yet. We take our customer comments to heart and

continue to refine and redefine our system to make your installations easier and even more profitable.

RapidRun's concept and design has not only earned devotion from our customers, but has garnered some of the industry's highest honors as well. Audioholics.com presented their Product of the Year award to RapidRun in 2005 and to RapidRun Digital in 2006. The Consumer Electronics Association TechHome division also granted RapidRun their prestigious Mark of Excellence award in 2006, and awarded the same honor to RapidRun Digital in 2007.

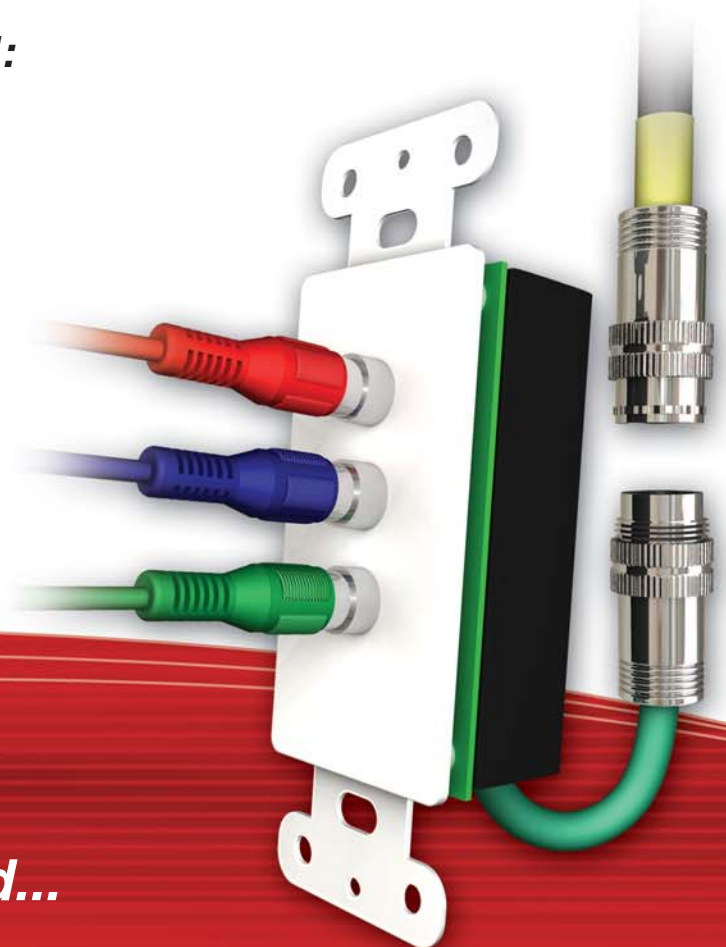
Faster Installations. Rapid Return On Investment.

Make every custom installation easier with RapidRun, the modular interconnect system designed for A/V and VGA applications. Putting an end to restrictive cabling and time-consuming installation, the genius behind RapidRun starts with the Runner – the main base cable that runs through walls, rooms, and fixtures. Its revolutionary design supports multiple signal types over a single cable – such as composite video, S-Video, and component video. And now, with NEW digital capabilities, it supports any combination of HDMI™ and DVI™ video too.



Time-Saving, Money-Saving RapidRun™ :

- **Eliminates terminating hassles**
Color-coded Break-Aways require no tools, training, splicing or soldering.
- **Terminates in less than a minute**
Just attach the appropriate Break-Away to the Runner and you're done.
- **Re-terminates for easy upgrades**
Evolve with your customers' needs without pulling new cable or incurring additional cost.
- **Provides endless applications**
Ideal for home theaters, offices, auditoriums, boardrooms, schools, restaurants, digital signage, and more.
- **Boosts return on investment**
Effortless installation increases productivity.



No Field Termination Required...

RapidRun™ Connector Technology

RapidRun™ Connector Technology – Seamless Connectivity, Maximum Flexibility.

The secret to RapidRun's flexibility is its cutting-edge connector technology, which creates a lossless connection between Runner and Break-Away. A precision-machined connector shell is cut from solid brass and plated to a bright nickel finish. Also, to resist the effects of oxidation and ensure years of reliable operation, the connector terminals are gold-plated.

Runner cables are terminated with female connectors, eliminating the risk of fatal damage to a pin. To provide maximum installation ease, the female connectors include a protective cap with pulling eye. While able to withstand a maximum pulling tension of 30lbs., the split ring will fail long before damage can be done to the delicate termination points.

The overall connector shape also plays an important role in RapidRun's ease of installation. The unique geometry of the female connector allows for it to glide through $\frac{3}{4}$ " conduit, while the tapered rear of the connector provides enough relief to allow the connector to pass through a 90° sweep.*

For effortless connection to the Runner, Break-Away terminations are finished with a male connector. Just align the red arrows to guide the connectors together and tighten the knurled locking ring. Pin configurations and mechanical keys allow acceptable combinations to easily mate, while blocking incompatible Break-Away combinations that could adversely affect signal transmission.

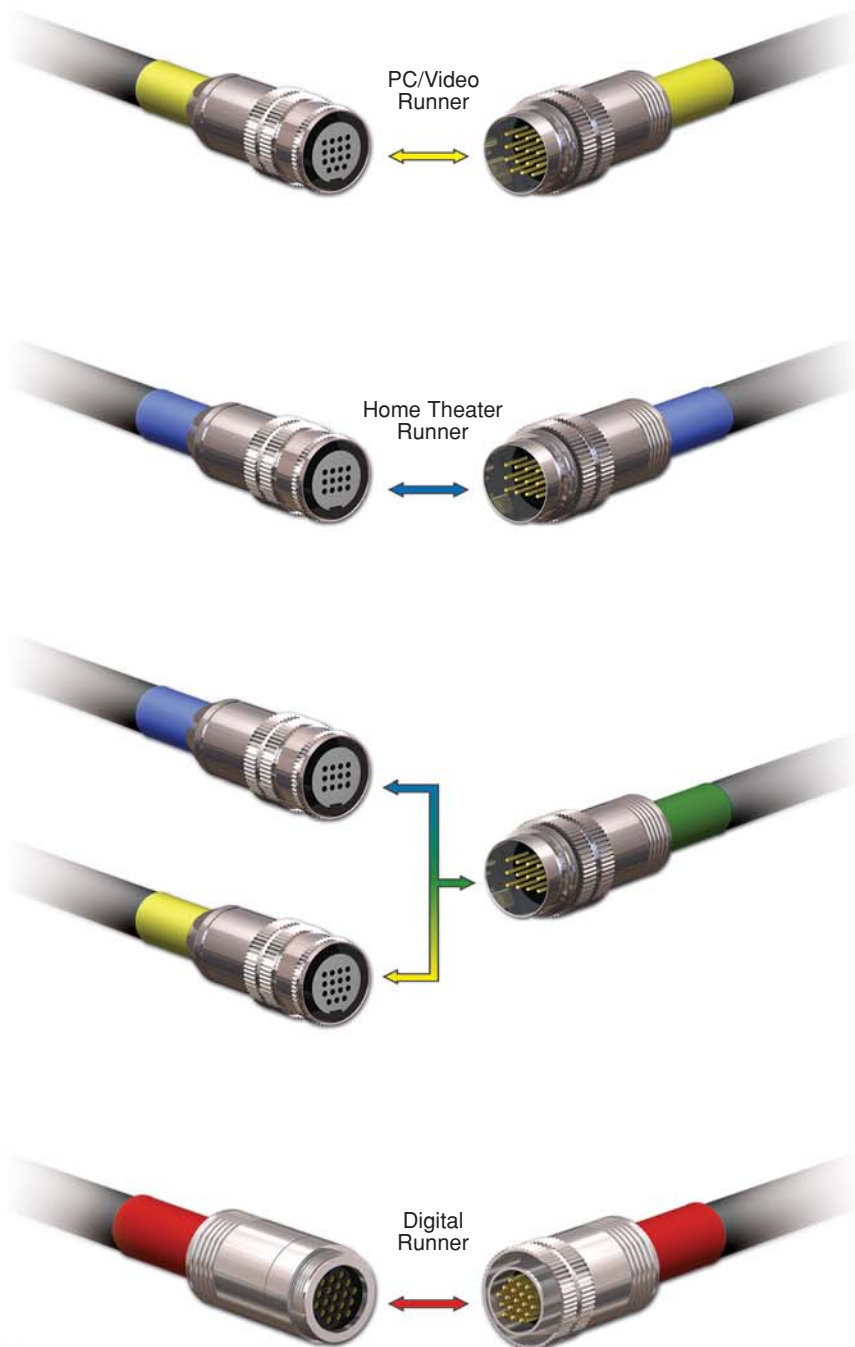
Installers benefit from powerful performance advantages, including:

Uncompromised signal integrity: pin pitch and insulator material make our connector virtually transparent to the delicate video signal, resulting in minimal signal loss.

Dirt and damage protection: the pulling caps protect the delicate contacts within the connector from the dirt, dust and damage – common on job sites.

Flexible durability: while durable enough to withstand 30lbs. of pulling tension, the connector is small enough to pull through $\frac{3}{4}$ " conduit and even a 90° factory-manufactured sweep*.

*Sweeps bent in the field may result in a smaller diameter or "flattened" sweep. Visit our website at www.rapidrun.com for an easy workaround.



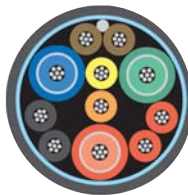
RapidRun™ Runner™ Technology™

Imagine pulling a VGA cable through 3/4" conduit with a 90° sweep – and not worrying about all those small pins when you're done. Ever better, imagine switching the installed cable from VGA to component video or switching DVI™ to HDMI™ in less than a minute. RapidRun makes these scenarios a reality. Never before has an interconnect system offered such adaptability. We know that your customer requirements are always in motion.

For example, the PC you pre-wired today might become a DVD player when you return to install the system. To address this, RapidRun has the capability to carry multiple signals over one Runner and even re-task the Runner you've already installed. Our selection of Runner cables easily meets the needs of even the most elaborate audio/video systems today... and foreseeable future.

PC/Video Runners

- Three-28 AWG coaxial cables with braided copper shielding, three-24 AWG twisted pair plus a single 24 AWG pair
- Mylar™ foil shield
- UXGA Runner for PC applications
- UXGA supports resolutions up to 1600 x 1200 pixels
- Pulling cap designed to withstand 30lbs. of pulling tension
- Available in CL2 rated jacket for residential installations or CMP jacket for commercial installations



Home Theater Runners

- Five-miniature coaxial assemblies
- 28 AWG stranded copper conductors with Mylar™ foil and 85% braided copper shield
- Ideal for audio/video and component video applications
- Compatible with analog and S/PDIF digital audio
- Pulling cap designed to withstand 30lbs. of pulling tension
- Available in CL2 rated jacket for residential installations or CMP jacket for commercial installations



Digital Runners

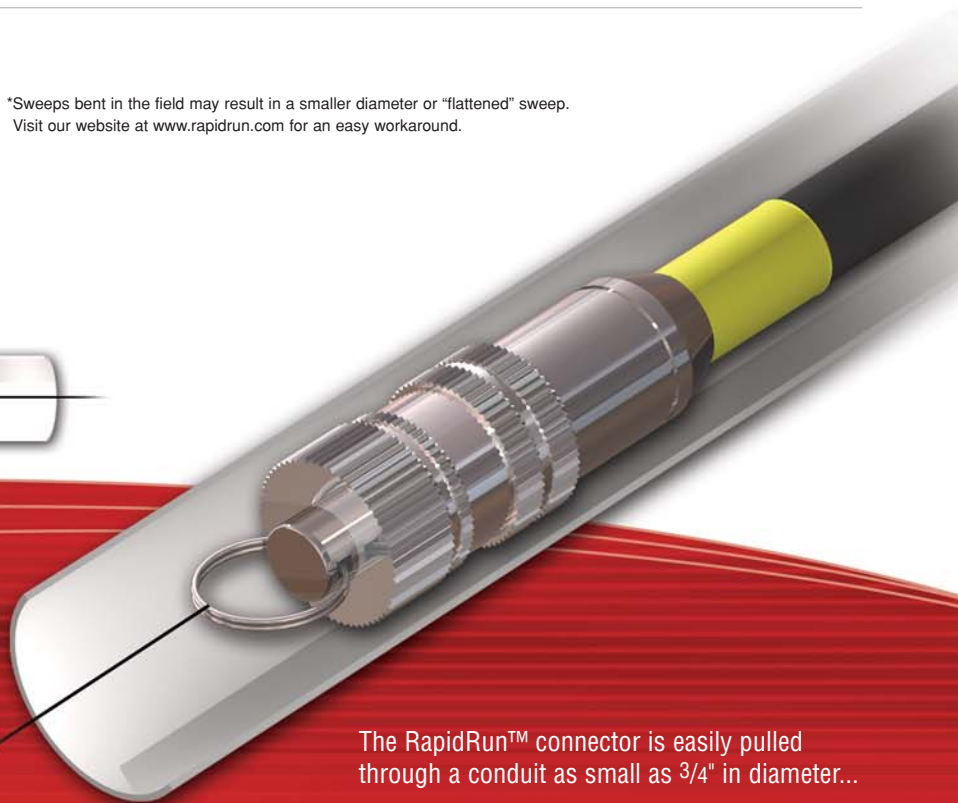
- Four-24 AWG twisted pairs with Mylar™ foil and drain wire, a single-24 AWG twisted pair plus five-24 AWG conductors
- Optimized design for TMDS uncompressed digital video; HDMI™ and DVI™
- Overall Mylar™ foil shield and tinned copper braid
- Pulling cap designed to withstand 30lbs. of pulling tension
- Ideal for home theater and PC applications
- CL2 rated PVC for in-wall installation



90° Sweep

While durable enough to withstand 30lbs. of pulling tension, the RapidRun™ connector will still pass through a 90° sweep!*

*Sweeps bent in the field may result in a smaller diameter or "flattened" sweep. Visit our website at www.rapidrun.com for an easy workaround.



The RapidRun™ connector is easily pulled through a conduit as small as 3/4" in diameter...

Installation Success!



Call Today!

Call 877.AV.EXPERT or visit www.impactacoustics.com/rapidrun

What People Are Saying About RapidRun™

"We purchased RapidRun HD15 (UXGA) with Break-Away Flying Leads so we could run 42" plasmas for a video wall. They work great! We had conduit installed already, so these cables allowed us to use the current conduit and attach the ends versus running new conduit to accommodate the large ends. We found your website and your sales staff to be very helpful. They answered our questions well. Service goes a long way, baby!"

— Jeff B., Florida

"Our RapidRun cables, as well as the one I purchased previously, are being used in our church to send media and video camera signals to a projector and 2 HDTVs. While the ease of installation is very nice, the fact that I can change pigtails and use the same cable in another application was my main reason for purchasing. The RapidRun product page made it easy enough to figure out what I needed and I was happy with my shopping experience."

— Rodd L., California

"I purchased RapidRun to connect a medical imaging system remote slave monitor at 75'. The RapidRun system was ideal for our application. One end needed to be terminated as VGA and the other with 5-BNC leads. The cables had to be pulled through 2" conduit at 75' and into a cabinet. This system was much easier than pulling non-terminated cables and then terminating them. The time saved on installation was very important with a deadline for patient critical medical imaging equipment. RapidRun was exactly what we needed to complete the project in a timely fashion. The website configuration tool was very helpful in finding the exact cables that we were looking for. This tool enabled us to immediately find what we were looking for rather than browsing around the site." — Tony H., Florida

"I've used RapidRun for running video and sound on a 35' sailboat. The product has worked great. It allows for a remote flat panel display to be connected to the navigation computer for entertainment purposes. Having the smaller terminals on the cable made the runs much easier and required less modifications to the boat. Faster installation played a slight role in our purchase decision, but less modification to structural bulkheads and stringers for cable runs was more important." — Lauren B., Washington

RapidRun™ Flying Leads™

RapidRun Digital Flying Leads

DVI™ Flying Leads	Item #
1.5ft RapidRun Digital DVI Flying Lead	40870
3ft RapidRun Digital DVI Flying Lead	40871
6ft RapidRun Digital DVI Flying Lead	40872
10ft RapidRun Digital DVI Flying Lead	40873

HDMI™ Flying Leads	Item #
1.5ft RapidRun Digital HDMI Flying Lead	40866
3ft RapidRun Digital HDMI Flying Lead	40867
6ft RapidRun Digital HDMI Flying Lead	40868
10ft RapidRun Digital HDMI Flying Lead	40869

RapidRun Flying Leads

Description	Value	18in	3ft	6ft	10ft
RapidRun HD15 Flying Lead	—	40725	42103	42104	42105
RapidRun HD15 + 3.5 Audio Flying Lead	—	40853	42106	42107	42108
RapidRun EVC (M1) Flying Lead	—	40847	—	—	—
RapidRun DVI-A Flying Lead	—	40849	—	—	—
RapidRun 5 BNC Flying Lead	40726	42067	42068	42069	42070
RapidRun 5 RCA Flying Lead	40727	42071	42072	42073	42074
RapidRun 3 RCA Flying Lead (YRW)	40730	42083	42084	42085	42086
RapidRun 3 RCA Flying Lead (RBG)	40731	42087	42088	42089	42090
RapidRun 2 RCA (RW) + S-Video Flying Lead	40732	42091	42092	42093	42094
RapidRun S-Video + 3.5 Audio Flying Lead	—	40851	—	—	—
RapidRun 4 RCA Flying Lead (RBGB)	40729	42079	42080	42081	42082
RapidRun 4 RCA Flying Lead (RW/GB)	—	42063	42120	42121	42122
RapidRun 3 RCA (RBG) + S-Video Flying Lead	40728	42075	42076	42077	42078
RapidRun 3 RCA (YRW) + S-Video Flying Lead	—	42095	42096	42097	42098



RapidRun™ Wall Plates™

RapidRun Digital Wall Plates

HDMI™ Wall Plates	Item #
RapidRun Digital HDMI Active Wall Plate	40855
RapidRun Digital HDMI Passive Wall Plate	40856

DVI™ Wall Plates	Item #
RapidRun Digital DVI Active Wall Plate	40857
RapidRun Digital DVI Passive Wall Plate*	40858

*Available August '07



RapidRun Wall Plates

Description	White	Ivory	Black
RapidRun HD15 Wall Plate	40735	40891	42023
RapidRun HD15 + 3.5 Audio Wall Plate	40854	42021	42033
RapidRun 5 BNC Wall Plate	40736	40892	42024
RapidRun 5 RCA Wall Plate	40737	40893	42025
RapidRun 3 RCA Wall Plate (YRW)	40740	40896	42028
RapidRun 3 RCA Wall Plate (RBG)	40741	40897	42029
RapidRun 2 RCA (RW) + S-Video Wall Plate	40742	40898	42030
RapidRun S-Video + 3.5 Audio Wall Plate	40852	42022	42032
RapidRun 4 RCA Wall Plate (RBGB)	40739	40895	42027
RapidRun 4 RCA Wall Plate (RW/GB)	42061	42062	—
RapidRun 3 RCA (RBG) + S-Video Wall Plate	40738	40894	42026
RapidRun 3 RCA (YRW) + S-Video Wall Plate	40743	40899	42031
RapidRun 12-pin DIN Wall Plate	42017	42018	42034
RapidRun 15-pin DIN Wall Plate	42019	42020	42035
RapidRun Dual DIN 15-pin + 15-pin	42109	42110	42131
RapidRun Dual DIN 15-pin + 12-pin	42111	42112	42132
RapidRun Dual DIN 12-pin + 12-pin	42113	42114	42133



RapidRun™ Runners™

The first step in building your RapidRun system is choosing the appropriate Runner for the applications you are connecting. Three Runner options are available, all are CL2-rated for in-wall use. The Home Theater (Blue) and PC/Video (Yellow) Runners are also available with a plenum-rated jacket.

RapidRun Runners

UXGA	CL2	CMP
15ft RapidRun Runner UXGA Cable	50710	40750
25ft RapidRun Runner UXGA Cable	50712	50729
35ft RapidRun Runner UXGA Cable	50714	50730
50ft RapidRun Runner UXGA Cable	50715	40752
75ft RapidRun Runner UXGA Cable	50717	40753
100ft RapidRun Runner UXGA Cable	50718	40754
125ft RapidRun Runner UXGA Cable	50719	40755
150ft RapidRun Runner UXGA Cable	50720	40756



5-Coax	CL2	CMP
15ft RapidRun Runner 5 Coax Cable	50721	40757
25ft RapidRun Runner 5 Coax Cable	50722	50731
35ft RapidRun Runner 5 Coax Cable	50723	50732
50ft RapidRun Runner 5 Coax Cable	50724	40759
75ft RapidRun Runner 5 Coax Cable	50725	40760
100ft RapidRun Runner 5 Coax Cable	50726	40761
125ft RapidRun Runner 5 Coax Cable	50727	40762
150ft RapidRun Runner 5 Coax Cable	50728	40763



RapidRun Digital Runners

Description	Item #
15ft RapidRun Digital Runner HT	40859
25ft RapidRun Digital Runner HT	40860
35ft RapidRun Digital Runner HT	40861
50ft RapidRun Digital Runner HT	40862
65ft RapidRun Digital Runner HT	40863



RapidRun Runner Specifications and Electrical Characteristics

		Primary Conductors							
		Coaxial Cables			Twisted Pairs			Shielding	
Description	UL/NEC Type	Coax Size	Stranding	Dielectric	TwP Size	Stranding	Dielectric	Coax	TwP
UXGA CL2 Runners	UL/CL2	28AWG Tinned Copper	7/28AWG	Foamed PE	24AWG Tinned Copper	7/24AWG	PVC	Tinned Copper	UTP
5-Coax CL2 Runners	UL/CL2	28AWG Tinned Copper	7/28AWG	Foamed PE	—	—	—	Tinned Copper Al Foil	—
UXGA CMP Runners	UL/CMP	28AWG Tinned Copper	7/36AWG	Cellular FEP	26AWG Tinned Copper	7/34AWG	FEP	Tinned Copper 94% Coverage	UTP
5-Coax CMP Runners	UL/CMP	26AWG Tinned Copper	7/34AWG	Cellular FEP	—	—	—	Tinned Copper Plus Al Foil	—
Digital Runners	UL/CL2	24AWG Silver Plated Copper	7/24AWG	Poly Propylene	24AWG Tinned Copper	7/24AWG	Foamed PE	—	Aluminum/ Mylar Foil w/drain Wire Drain 24AWG

RapidRun™ Runner™ Accessories

RapidRun Runner Extensions

Coming up short? Connect a RapidRun Runner Extension to extend the distance of your installation.

Description	Item #
3ft RapidRun Runner HT Extension Cable	42038
6ft RapidRun Runner HT Extension Cable	42041
10ft RapidRun Runner HT Extension Cable	42045
3ft RapidRun Runner UXGA Extension Cable	42048
6ft RapidRun Runner UXGA Extension Cable	42051
10ft RapidRun Runner UXGA Extension Cable	42055



RapidRun Couplers

Coming up short? Connect two RapidRun Runners together using the DIN coupler to extend the distance of your installation.

Description	Item #
RapidRun 12-pin DIN (5-COAX) Coupler M-M	42057
RapidRun 15-pin DIN (UXGA) Coupler M-M	42058



RapidRun Test Cables

Provides for a quick continuity check of your Runner cable prior to sealing it within a wall.

Description	Item #
RapidRun UXGA Runner Test Cable	42118
RapidRun 5-Coax Runner Test Cable	42119



Overall					Impedance		Velocity of Propagation	Capacitance per Feet	Attenuation	
Shielding			Jacket		Coax	TwP			MHz	dB/100ft
Foil	Braid	Drain	Material	OD						
25% Overlap	24x0.8/36AWG Tinned Copper	24AWG Tinned Copper	Matt PVC	9.0mm	750hms	1000hms	76%	18pF/ft	200	12.8
									300	15.8
									400	18.2
25% Overlap	24x10/36AWG	24AWG Tinned Copper	Matt PVC	9.5mm	750hms	—	76%	18pF/ft	200	12.8
									300	15.8
									400	18.2
25% Overlap	7/36AWG Tinned Copper 85% Coverage	24AWG Tinned Copper	SOLEF	6.8mm	750hms	1000hms	80%	53pF/m	1	0.6
									10	2.1
									50	5.1
									100	7.6
—	—	—	Low Smoke PVC	7.7mm	750hms	—	81%	16.7pF/ft	100	5.37
									400	11.5
									1000	19.5
25% Overlap	24x9/36AWG Tinned Copper 80% Coverage	—	Matt PVC	10.4mm	—	1000hms	—	88pF/ft	1	8
									2.5	21
									4	30