

These high-quality composite cables enable faster, easier residential installations — connecting the touch panel to the home's entertainment, environmental control, home automation and security systems.



## HomeChoice® Multi-media Control Cables Are Ideal For A Variety Of Residential Applications

Belden's HomeChoice cable line now includes five composite cables designed specifically for the interconnection of touch panel control units with the following systems:

- > Audio-video
- > HVAC/climate control
- > Window treatments
- > Security systems
- > Multi-media and computer networks
- > Home theater
- > Lighting
- > Smart appliances
- > Home automation

It is important to note that Belden manufactures all of the individual cables that make up these composites. And Belden cables are manufactured to the industry's highest quality standards by utilizing systems and processes that assure consistent, dependable performance.

### Top Performance By Design

Belden Part No. HC2756R is designed at 100 ohms impedance and is optimized for use on systems running the following protocols:

- > EIA RS-422
- > AMX® AXLink®
- > EIA RS-485
- > Crestron® Cresnet®

Four other multi-media cables are also available. These cables are third-party verified to perform to their respective Category 5e or Category 5 standards when they are installed in accordance with TIA/EIA 570-A (Residential Telecommunications Cabling Standard).

### Features and Benefits

The data pair in the HC2756R construction is comprised of two 22 AWG stranded, tinned copper conductors insulated with foamed polyolefin and color-coded Blue and White.

The pair is shielded with a Beldfoil® aluminum tape and a drain wire. This construction offers excellent noise immunity for accurate data transmission.

The power pair (color coded Black and Red) has two 18 AWG stranded, tinned copper conductors that are insulated with PVC. It is rated at 300V.

Part No. 7949A is comprised of a UTP cable with four bonded-pairs and four 16 AWG stranded, bare copper conductors. Part Nos. 7950A, 7951A and 7952A consist of one 4-pair UTP cable and, respectively, 16, 18 and 14 AWG stranded, bare copper conductors. All data pairs are polyolefin insulated; all power conductors are PVC insulated.

To form the composite, Belden® HomeChoice Multi-media cables are cabled together, then overall jacketed with flame retardant PVC. (7952A is, however, a siamese construction.) PVC jackets are known to be both flexible and durable. Continuous sequential footage markings on the overall jacket also eliminate guesswork and waste during installation. Rip cords make the jacket's removal both quick and easy. In addition, all HomeChoice cables are backed by a 10-year product warranty.

### HomeChoice: Your Choice

Because Belden understands that each installation has its own set of needs and expectations, we offer our HomeChoice structured cabling line of individual, dual component and composite cables — in all, over 50 different cables for your home automation, networking, security and entertainment system installations. This impressive line up of products includes Belden's award-winning Banana Peel™ cable.

For more information on the HomeChoice line, refer to Belden's HomeChoice catalog.



## Multi-media Control Cable

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths		Standard Unit Weight		Overall Nom. OD		Component Descriptions	Shielding Materials & Nom. DCR	Insulation Material & Color Code	Component Jacket Material & Colors	Component Nom. OD	
			Ft.	m	Lbs.	kg	Inch	mm					Inch	mm
Composite • (1) 22 AWG Tinned Copper Stranded (7x30) STP • (1) 18 AWG Tinned Copper Stranded (16x30) Unshielded Power Pair														
FPE Insulation (Data) • F-R PVC Insulation (Power) • Overall Light Green F-R PVC Jacket														
300V 75°C	HC2756R new	NEC: CMR CEC: CMR FT4	500	152.4	26.5	12.0	.250	6.35	(1) Pair STP Data Cable: 22 AWG (7x30) TC Cond.	Beldfoil® w/TC Drain Wire	FPE Blue, White	—	—	—
									(2) Conductors: 18 AWG (16x30) TC Cond.	None	F-R PVC Red, Black	—	—	—
Jacket sequentially marked.														
Composite • (1) 24 AWG Cat 5e 4-Bonded-Pair UTP • (4) 16 AWG Bare Copper Conductors Stranded (19x29)														
Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • Overall Green F-R PVC Jacket														
	7949A	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	54.5 99.0	24.7 44.9	.438	11.13	(1) 4-Pair UTP Data Cable: Bonded-Pairs 24 AWG (solid) BC Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.200	5.08
									(4) Conductors: 16 AWG (19x29) BC Cond.	None	PVC Red, White, Green, Black	—	.079	2.01
Jacket sequentially marked. Third party verified to TIA/EIA-568-B.2, Category 5e														
Composite • (1) 24 AWG Cat 5 4-Pair UTP • (4) 16 AWG Bare Copper Conductors Stranded (19x29)														
Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • Overall Light Green F-R PVC Jacket														
	7950A	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	55.0 99.0	24.9 44.9	.434	11.02	(1) 4-Pair UTP Data Cable: 24 AWG (solid) BC Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.200	5.08
									(4) Conductors: 16 AWG (19x29) BC Cond.	None	PVC Red, White, Green, Black	—	.079	2.01
Jacket sequentially marked. Third party verified to TIA/EIA-568-B.2, Category 5														
Composite • (1) 24 AWG Cat 5 4-Pair UTP • (4) 18 AWG Bare Copper Conductors Stranded (19x30)														
Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • Overall Light Green F-R PVC Jacket														
	7951A	NEC: CMR CEC: CMG FT4	500 1000	152.4 304.8	49.0 88.0	22.2 39.9	.412	10.47	(1) 4-Pair UTP Data Cable: 24 AWG (solid) BC Cond.	None	Polyolefin (see chart below)	F-R PVC (1) Blue	.200	5.08
									(4) Conductors: 18 AWG (19x30) BC Cond.	None	PVC Red, White, Green, Black	—	.066	1.68
Jacket sequentially marked. Third party verified to TIA/EIA-568-B.2, Category 5														
Composite • (1) 24 AWG Cat 5 4-Pair UTP • (4) 14 AWG Bare Copper Conductors Stranded (19x26)														
Polyolefin Insulation (Pairs) • PVC Insulation (Conductors) • Overall Light Green F-R PVC Jacket														
Siamese Construction	7952A	NEC: CMR CEC: CMG FT4	500	152.4	67.5	30.6	.301 x .552	7.65 x 14.02	(1) 4-Pair UTP Data Cable: 24 AWG (solid) BC Cond.	None	Polyolefin (see chart below)	—	—	—
									(4) Conductors: 14 AWG (19x26) BC Cond.	None	PVC Red, White, Green, Black	—	—	—
Jacket sequentially marked. Third party verified to TIA/EIA-568-B.2, Category 5														
BC = Bare Copper • FPE = Foamed Polyethylene • F-R = Flame-retardant • STP = Shielded Twisted Pair • TC = Tinned Copper • UTP = Unshielded Twisted Pair														

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### Color Code: Cat 5e and Cat 5 UTP

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

### For More Information:

[www.belden.com](http://www.belden.com)

Belden Electronics Division Technical Support 1-800-BELDEN-1 or 1-800-BELDEN-3