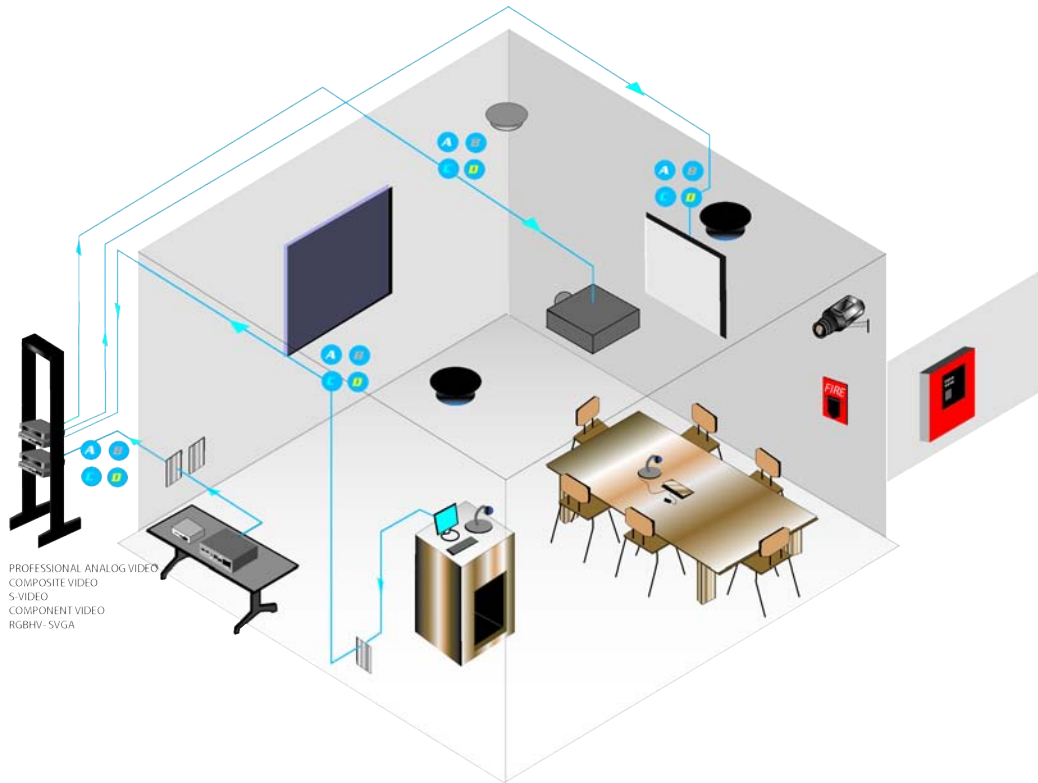


SPECIAL CONTROL CABLES

Special? No Worries . There are many low voltage systems that require specific designed cables. Many media control system, AV systems, Video systems, and specialty lighting systems all require non-standard cabling designs. West Penn Wire provides these systems with high quality designed cables. If there is something special needed we can provide a solution.



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MEDIA CONTROL CABLES

Media Control Cable Specialized Control Systems

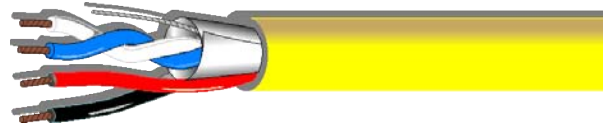
Applications:

Indoor for:

- Home Control Systems
- Commercial Control Systems
- Sound and Audio

Rating:

- NEC Type CMR (77350) and CMP (D25350)
- (UL) C(UL) Listed or c(ETL)us Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666 and NFPA 262 Smoke & Flame Test



Description:

- ASTM Bare Copper • Foam Polyolefin Insulation (Data Pair), PVC (Control Pair) • Short overall twist lengths
- (Data Pair) Overall shield 100% coverage of aluminum polyester foil with drain wire, (Control Pair) Unshielded
- Overall PVC Jacket

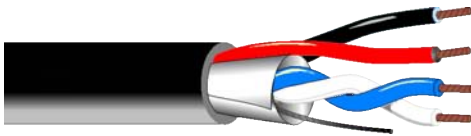
Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding & % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches	% Coverage	Inches	Inches			
77350	4 (2 Shld)	22 AWG (7x30)	Polyolefin .025	Al. Foil-100% drain wire	PVC .030	.255	CMR	12.5 pf/ft*	Yellow
	(2 Unshld)	18 AWG (7x26)	.010	None				22.5 pf/ft**	
		17Ω/M'							
		6.2Ω/M'							

* Capacitance between conductors.

** Capacitance between one conductor and the other connected to the shield

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Description:

- ASTM Bare Copper • Foam FEP Insulation (Data Pair), Fluoropolymer Insulation (Control Pair) • Short overall twist lengths • (Data Pair) Overall shield 100% coverage of aluminum polyester foil with drain wire, (Control Pair) Unshielded • Overall Copolymer Jacket

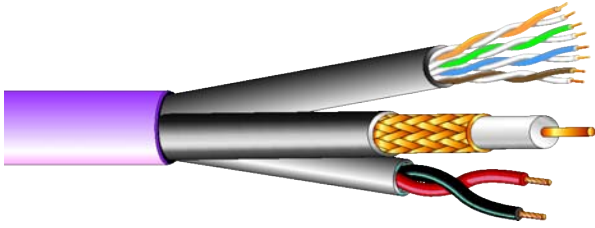
Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding & % Coverage	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches	% Coverage	Inches	Inches			
D25350	4 (2 Shld)	22 AWG (7x30)	Foam FEP .022	Al. Foil-100% drain wire	Flexible Polymer Alloy .015	.206	CMP	12.5 pf/ft*	Black
	(2 Unshld)	18 AWG (7x26)	Polymer Alloy .008	None				22.5 pf/ft**	
		17Ω/M'							
		6.2Ω/M'							

Color Code

Catalog No.	77350	D25350
Primary Colors	22 Awg Pair: Blue/White 18 Awg Control: Red/Black	22 Awg Pair: Blue/White 18 Awg Control: Red/Black

MEDIA CONTROL CABLES



Media Control Cable Specialized Control Systems

Applications:

- Indoor for:
- Home Control Systems
 - Commercial Control Systems
 - Sound and Audio

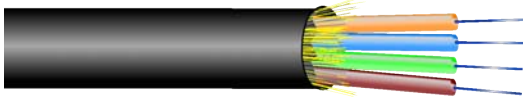
Rating:

- NEC Type CM
- (UL) Listed
- Flame Rating: UL1685

Standard spool size 1000ft.

Catalog No.	Cable Description	Overall Jacket & Cable O.D.	Jacket Color
		Inches	
C2415 CM	1- 77350 Media Control Cable (Yellow Jacket) + 1- 4 Pair 24 AWG Category 5E Cable (Gray Jacket) Overall PVC Jacket	PVC Jkt. .485	Yellow
C2425 CM	1- 77350 Media Control Cable (Yellow Jacket) + 2- 4 Pair 24 AWG Category 5E Cable (Pink and Gray Jacket) Overall PVC Jacket	PVC Jkt. .500	Yellow
E1854 CM	1- Control Cable (2 Cond 18 Awg. Unshielded) Gray Jacket + 1- 4 Pair 24 AWG Category 5E Cable (Pink Jacket) + 1- CCTV Cable -RG59/U - 20 AWG Foam Dielectric 95% Bare Copper Braid (Black Jacket) Elan Via! Cable	PVC Jkt. .579	Violet

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Fiber Optic Cable **Laser Optimized Fiber Optic Cable** **50/125um - Digital Media Fiber Optic Type**

Description:

- 900µm tight buffered fibers • Individually Jacketed Fiber Optic
- Color Coded for easy termination • Flame Retardant
- UL listed for code compliance • 50/125um OM3 Rated
- 50/125um OM3 Rated Laser Optimized.Laser Optimized.

Rating:

- NEC Type **OFNR**
- Flame Rating: UL1666
- NEC Type **OFNP**
- Flame Rating: NFPA 262

Applications:

- Riser Wiring
- Office Wiring
- Computer Room Wiring

Catalog No.	No. of Fibers	Nom. O.D. Inches	Min Bend radius Short Term	Min Bend radius Long Term	UL Rating	Transmission Rating
M9C006	4	.300	4.5 Inch	3.0 Inch	OFNR	OM3 50/125um LOF
M9C014	4	.300	4.5 Inch	3.0 Inch	OFNP	OM3 50/125um LOF

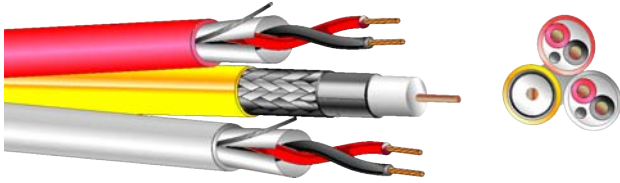
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Fiber Optic Kits

Kits and Connectors- FiberExpress - Optimax

Optimax Tools and Accessories	
Catalog No.	Description
FI-3635	OPTIMAX Complete Kit
FI-1076	SC Universal connector- 50/125um





Composite Audio/ Video Cables

Applications:
• Audio and Video

Standard pool size 1000ft.

Catalog No.	Cable Types	Application	Connectors	NEC Type	Nom. Jacket O.D. & Color
LSAV	1- MiniMax SDI Coaxial Cable 2- 1 Pair 22 AWG Shielded Cables	Video	CN-CSRCA-25 19-1207- Red	CM	.316" Unjacketed Lickity Split Bondled Cable
		Audio	19-1268-Black		
LS25AV	1- MiniMax SDI PlenumCoaxial Cable 2- 1 Pair 22 AWG Shielded Cables- Plenum	Video	CN-CSRCA-25 19-1207- Red	CMP	.300" Unjacketed Lickity Split Bondled Cable
		Audio	19-1268-Black		

Cable Types	Conductor Colors	Jacket Colors
Video Minimax SDI	--	Yellow
Audio Pair 1	1. Black, 2. Red	White
Audio Pair 2	1. Black, 2. Red	Red

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Digital Signage Video Cable 4 Pair 24 AWG UTP- NanoSkew WPW Cable

Applications: Propagation Delay (Skew) 2.2ns/100m Nominal

Indoor for:

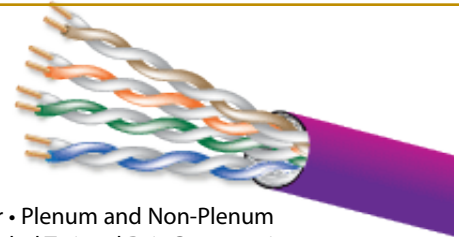
- UTP Based Video
- RGB over UTP
- Non-Plenum Versions for use in vertical run in a shaft and for general purpose communications use in accordance with Article 800 of the NEC
- Plenum Version for use in air handling ducts and spaces in accordance with Article 800 of the NEC

Description:

- ASTM Solid Bare Copper • Plenum and Non-Plenum Versions • 4 Pair Unshielded Twisted Pair Construction
- Overall Jacket

Rating:

- NEC Type CMR and CMP
- (UL) Listed
- Meets 300V requirements as specified in the NEC
- Flame Rating: UL1666 and NFPA262 Smoke & Flame Test

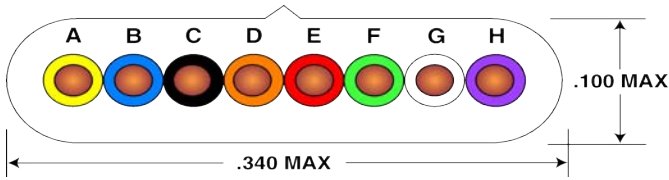


Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
M58813	4 Pair	24 AWG Solid 26 Ω/Mft	Thermo-Plastic	None UTP	PVC	.190	CMR	Nom. Cap. 14 pf/ft* Nom. Imp 100Ω	Maroon
M58814	4 Pair	24 AWG Solid 26 Ω/Mft	Thermo-Plastic Plenum	None UTP	Thermo-Plastic	.185	CMP	Nom. Cap. 14 pf/ft* Nom. Imp 100Ω	Maroon

Indoor/Outdoor

M58854	4 Pair	24 AWG Solid 26 Ω/Mft	Thermo-Plastic Plenum	None UTP Water-blocking	Thermo-Plastic	.250	CM	Nom. Cap. 14 pf/ft* Nom. Imp 100Ω	Maroon
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Flat Parallel Cable



Description:

- ASTM Bare Copper • Plenum and Non-Plenum Construction • Unshielded Construction • UL listed for code compliance

Applications:

- Power-Limited Control Circuits

Rating:

- NEC Type CL2
- (UL) Listed
- Flame Rating: UL1685

Standard pool size 1000ft.

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness		Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
					Inches	Inches				
WP37123	6	24 AWG Solid BC 26.1 Ω/Mft	.0065	None	.024	.090	x .250	CL2	--	Gray
WP37127	8	24 AWG Solid BC 26.1 Ω/Mft	.0065	None	.030	.100	x .340	CL2	--	Gray

Ratings:

- NEC Type CL2P
- (UL) or (ETL)us Listed
- Flame Rating: NFPA 262 Smoke & Flame Test

Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness		Nom. O.D. Inches	UL Type	Nom. Capacitance	Jacket Color
					Inches	Inches				
WP37125	6	24 AWG Solid BC 26.1 Ω/Mft	.0065	None	.024	.090	x .250	CL2P	--	Gray
WP37129	8	24 AWG Solid BC 26.1 Ω/Mft	.0065	None	.030	.100	x .340	CL2P	--	Gray

8 Cond.Color Code	
A	Yellow
B	Blue
C	Black
D	Orange
E	Red
F	Green
G	White
H	Violet

6 Cond.Color Code	
A	Blue
B	Black
C	Orange
D	Red
E	Green
F	White

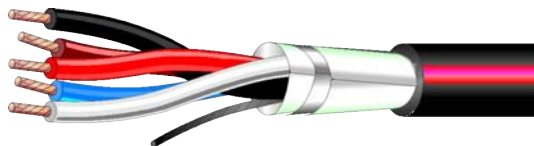
SPECIAL INDOOR/OUTDOOR CABLE

Obstruction LED Lighting Cable

Indoor/Outdoor

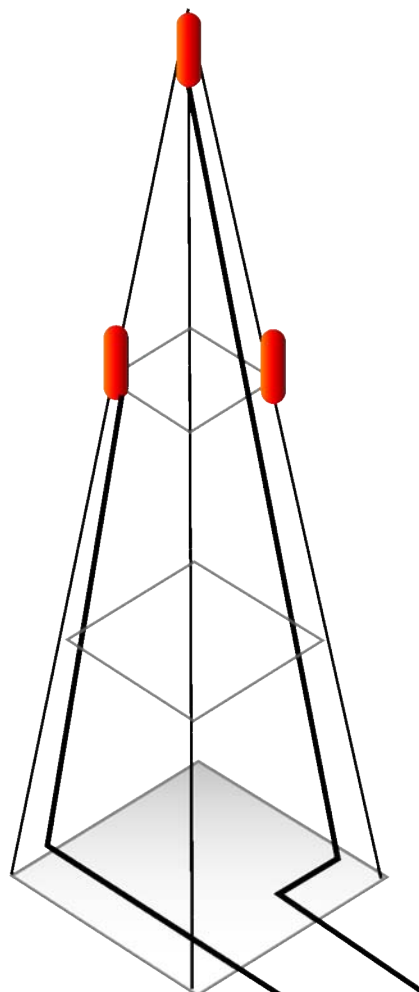
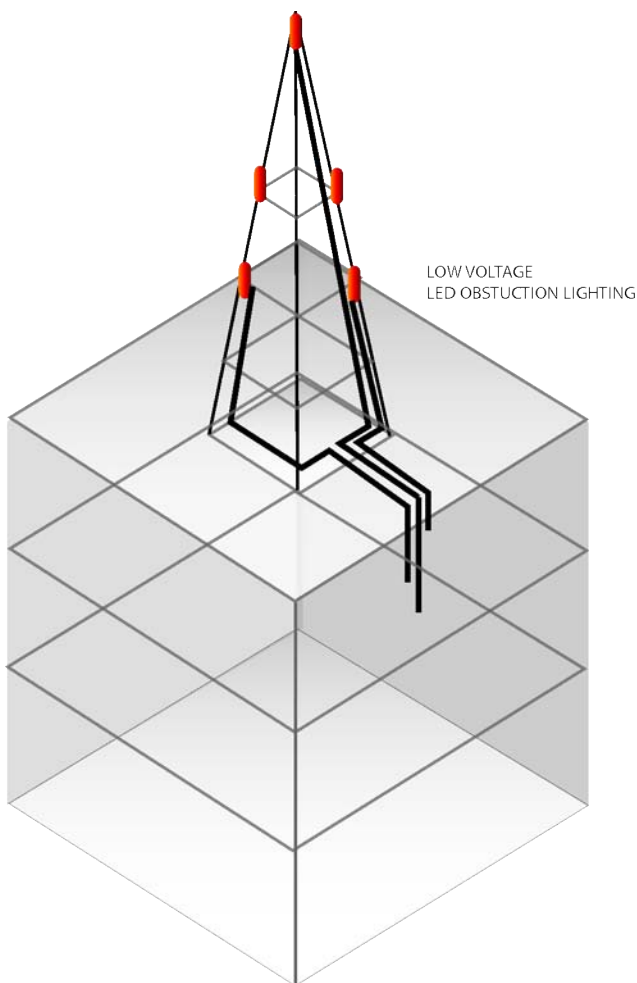
Rating:

• NEC Type CM



Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness Inches	Shielding	Jacket Type & Thickness Inches	Nom. O.D. Inches	NEC Type	Nom. Capacitance	Jacket Color
AQC3125	5	12 AWG	.020	100% Al. Foil Aquaseal Tape	PVC .040	.545	CL3	--	Black Red Stripe

Color Code	
AQC3125	BK, RD, WH, BL, BN
Jacket Color	
Black with red stripe	



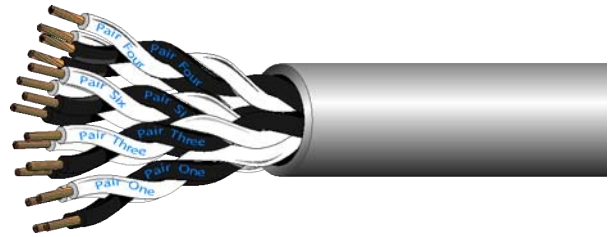
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LINE ARRAY SPEAKER CABLE

Multi-Pair - Speaker Cable

Applications:

- Audio- Speaker Snake Cable



Catalog No.	No. of Pairs	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
WP128P	8	12 AWG (19x25) BC 1.7 Ω/Mft	PVC .015"	None	PVC .050"	.825"	CL3R	33.5pf/ft	Gray



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Keypad with Volume Controls

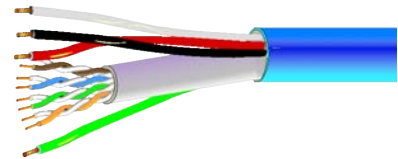
Rating:

- NEC Type CM
- (UL) Listed
- Flame Rating: UL1685

Standard spool size 1000ft.

Description:

- ASTM Bare Copper • PVC Insulation • Composite cable construction • 4 Pair 24 Awg. Category 5E cable + 4 conductor 16 AWG • Overall Blue PVC jacket



Catalog No.	No. of Cond.	Conductor Type & Nom. D.C.R	Insulation Type & Thickness	Shielding	Jacket Type & Thickness	Nom. O.D.	NEC Type	Nom. Capacitance	Jacket Color
			Inches		Inches				
HA1624	4 Cond.	16 AWG (65x34)	.015	None	PVC .020	.385	CM	--	Blue
	4 Pair	24 AWG Solid	.008	None				14 pf/ft*	

Color Code	
4 Cond.	1. Black, 2. Red, 3. White, 4. Green
4 Pair	1. Blue/ White-Blue, 2. Orange/ White-Orange, 3.Green/ White-Green, 4. Brown/ White-Brown