

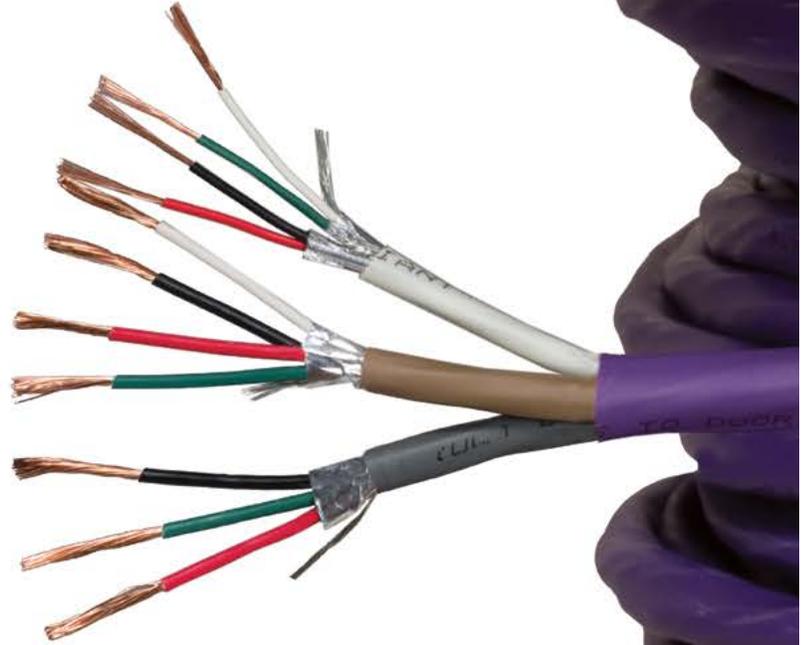


**Paige® Building Management Systems**

**BMS**

MADE IN THE USA

**Cable  
Selection  
Guide**



**Paige® LoVoltage**

Electronic Wire and Cable

# ABOUT PAIGE

With headquarters in Union, New Jersey USA, Paige Electric is a \$150 million a year, 100% employee owned 50 year old company primarily engaged in the design, engineering and supply of electrical and electronic wire and cable to customers throughout the world. We ship more than 175,000 orders to 7,000 accounts worldwide annually. In addition to U.S. standards, Paige supplies internationally compliant cables and Low Smoke Zero Halogen cables.

We are proud of the quality of the customers to whom we are major suppliers including:



As well as major engineering firms such as Ebasco, Bechtel and Samsung Engineering.

We have multiple quality and service awards from the above mentioned companies. We have been the recipient of the Motorola Worldwide "SUPPLIER OF THE YEAR" Award. We have also had the honor of receiving the Lindsay Inc. Commitment to Excellence "SUPPLIER OF THE YEAR" Award. We are ISO Compliant to ISO 9001:2008 Standards.



As an independent electrical and electronic wire and cable specialist, Paige makes available a wide assortment of specialized wire and cable items. Products range from fine gauge electronic wire to multi-conductor high voltage cables and complex manufactured cable assemblies designed for use under a wide variety of operating conditions and environments.

Paige has assembled a highly seasoned team of professionals. From manufacturing, engineering and sales, everyone is an expert in their field. When our customers have a question or need assistance in designing an application we can respond. We have recently added a formal program to offer training for our customers in fiber optics. We have a team of experts who will actually go on-site to our customers to hold technical sessions on fiber optics and assist in the handling and installation of fiber optic products.

We are involved with UL, CSA, cUL, NFPA, etc. And we are current with all of the latest code developments.

We employ CAD/CAM in manufacturing and engineering development programs.

Paige's ability to meet important customers' needs has been substantially enhanced by the installation of computer-linked purchase communications (EDI). These systems allow for extremely timely and efficient order entry, shipment and billing which is required to enhance the "Just in Time" needs of its customers.

Wire and cable sold by Paige is used in a great variety of industrial applications, including the communications, computer, construction, electronic, irrigation, medical, nuclear, petrochemical and utility industries.

Paige's customers primarily consist of original equipment manufacturers, electrical contractors, and other sophisticated corporate customers who require wire and cable for their own products or for projects. In many instances, Paige cooperates with its customers and their engineers in the design of custom wire, cable and cable assemblies to manufacture their specific needs.

# BUILDING MANAGEMENT SYSTEMS MADE IN THE USA

## BMS

### Recommended Cable Selection Guide

All Cables are Available in Low Smoke Zero Halogen (LSZH) and Low Smoke Fume (LSF) Constructions

Cable Part Number	Cable Type	Application
Paige 454625AGR	18/2c STR OAS CMR gray jacket	For Field Devices
Paige 4546001AGR	24/2c STR OAS CM lo-cap RS485 gray jacket	For C-Bus
Paige 744006	24/4c STR OAS CMR gray jacket	For C-Bus
Paige 454656AGR	16/2c STR CMR gray jacket	For Lon Works
Paige 453798	22/1pr STR CMR gray w/orange stripe jacket	For E-Bus
Paige 453724	18/3c SOL CMR tan jacket (yellow/orange/violet conductors)	For FCU Valve Actuators
Paige 453726	18/5c SOL CMR tan jacket	For FCU / VAV Wall Modules
Paige 459740	18/1pr STR CMG gray jacket	Lon Bus Cable
Paige 459156	18/2pr STR CMG gray jacket	PPS2 Bus Cable
Paige 458451	22/1pr OAS CMR gray jacket	Alerton DDC I/O Connections
Paige 459841/459841AGR	24/1pr STR OAS CM/CL2 lo-cap EIA-RS485 gray jacket	Alerton MS/TP Network
Paige 453743A	18/2pr SOL FPLR Red Jacket	FCU Controller Speed +on/off

Paige Electric Company  
 1160 Springfield Road  
 Union, NJ 07083  
 U.S. Phone Toll Free: 800.327.2443  
 908.687.7810 Fax: 908.687.8860  
 e-mail: mfox@paigeelectric.com  
 visit our website: www.paigecable.com

# ADDITIONAL CABLE SELECTION GUIDE MADE IN THE USA

All Cables are Available in Low Smoke Zero Halogen (LSZH) and Low Smoke Fume (LSF) Constructions

## Building Management System

Cable Part Number	Cable Type	Application
458760	18/2c Tinned Copper Shielded	Digital Input (2 wire)
454625AGR	18/2c Shielded CMR	Digital Input (2 wire)
459410	16/2c Tinned Copper PLTC	Digital Output (2 wire)
454656AGR	16/2c Unshielded CMR	Digital Output (2 wire)
458760	18/2c Tinned Copper Shielded	Analog Input (2 wire)
454625AGR	18/2c Shielded CMR	Analog Input (2 wire)
458770	18/3c Tinned Copper Shielded	Analog Input (3 wire)
455301FE	18/3c Shielded CMR	Analog Input (3 wire)
458760	18/2c Tinned Copper Shielded	Analog Output (2 wire)
454625AGR	18/2c Shielded CMR	Analog Output (2 wire)
458770	18/3c Tinned Copper Shielded	Analog Output (3 wire)
455301FE	18/3c Shielded CMR	Analog Output (3 wire)
459873	20/3pr Tinned Copper Ind Shielded	Thermostat fro VAV/FCU
458471	16/1pr Tinned Copper Unshielded	LON Works Communication Bus (2 wire)
454656AGR	16/2c Unshielded CMR	LON Works Communication Bus (2 wire)
458719	16/2c Tinned Copper Shielded	MOD Bus Communication Bus (2 wire)
454656AGR	16/2c Unshielded CMR	MOD Bus Communication Bus (2 wire)
710648xx	Cat 6 UTP Cable	LAN (ethernet)
710548xx	Cat 5e UTP Cable	LAN (ethernet)

## Access Control System

458777	22/3pr Tinned Copper Ind Shielded	Card reader (6 wire)
458761	22/1pr Tinned Copper Shielded	Exit Push Button (2 wire)
458761	22/1pr Tinned Copper Shielded	Door Contact (2 wire)
458719	16/2c Tinned Copper Shielded	Power Supply of EML Lock (2 wire)
454656AGR	16/2c Unshielded CMR	Power Supply of EML Lock (2 wire)
458719	16/2c Tinned Copper Shielded	Power Supply for Star II Controller (2 wire)
454656AGR	16/2c Unshielded CMR	Power Supply for Star II Controller (2 wire)
458761	22/1pr Tinned Copper Shielded	RS-485 Data Communication (S-net) Power (2 wire)
458719	16/2c Tinned Copper Shielded	RS-485 Data Communication (S-net) Power (2 wire)
710648xx	Cat 6 UTP Cable	LAN (ethernet)
710548xx	Cat 5e UTP Cable	LAN (ethernet)

**Composite Access Control System Cables also Available - CALL!!**

# ADDITIONAL CABLE SELECTION GUIDE MADE IN THE USA

All Cables are Available in Low Smoke Zero Halogen (LSZH) and Low Smoke Fume (LSF) Constructions

## CCTV System

Cable Part Number	Cable Type	Application
740160	RG59/U - 95% Copper Shield	Video Signal
74310118NP	RG 59/U - 18/2c Siamese	Video Signal+ Power
458723	22/2pr Tinned Copper Ind Shielded	PTZ Control Signal (4 wire)
458761	22/1pr Tinned Copper Shielded	Door Contact (2 wire)
458719	16/2c Tinned Copper Shielded	Power Supply for Camera (2 wire)
454640AGR	18/2c Unshielded CMR	Power Supply for Camera (2 wire)
454625AGR	18/2c Shielded CMR	Power Supply for Camera (2 wire)
454656AGR	16/2c Unshielded CMR	Power Supply for Camera (2 wire)
454627AGR	16/2c Shielded CMR	Power Supply for Camera (2 wire)
710648xx	Cat 6 UTP Cable	LAN (ethernet)
710548xx	Cat 5e UTP Cable	LAN (ethernet)

## Fire Alarm System

454731ARE	16/2c Solid FPLR	Loop Cable & Speakers
454718ARE	14/2c Solid FPLR	24 VDC Power Supply for Sounders
454731ARE	16/2c Solid FPLR	XLS- Net Communication
458761	22/1pr Tinned Copper Shielded	RS-485 Data Communication for Repeater panel
454718ARE	14/2c Solid FPLR	24 VDC Power Supply for Repeater Panel
459943	22/7c Tinned Copper Foil/Braid Shield	RS-232 Data Comm for Dot Matrix Printer

**PH-30 Fire Alarm Cables also Available - CALL !!**

A SAMPLING OF PAIGE JOB INSTALLATIONS



# UL CERTIFICATIONS

Power-Limited Circuit Cable



**QPTZ.E191597**  
Power-limited Circuit Cable

Page Bottom

**Power-limited Circuit Cable**

See General Information for Power-limited Circuit Cable

**PAIGE ELECTRIC CO L P**  
1160 SPRINGFIELD RD  
PO BOX 368  
UNION, NJ 07083 USA

E191597

Types CL2, CL2P, CL2R, CL2X, CL3, CL3P, CL3R, CL3X, PLTC.

Last Updated on 1999-10-23

Questions?

Print this page

Notice of Disclaimer

Page Top

Copyright © 2011 Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.



**DUZX.E191596  
Communications Cable**

Page Bottom

**Communications Cable**

See General Information for Communications Cable

**PAIGE ELECTRIC CO L P** E191596  
1160 SPRINGFIELD RD  
PO BOX 368  
UNION, NJ 07083 USA

**Communication cables**, Types CM, CMG, CMH , CMP, CMR, CMX, CMX Outdoor.

Type CMR Cable Verified in accordance with the Data Transmission Performance Category Marking Program TIA/EIA 568-B.2, Category 5E.

Last Updated on 2002-11-25

[Questions?](#) [Print this page](#) [Notice of Disclaimer](#) [Page Top](#)

Copyright © 2011 Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.



**HNIR.E191595  
Power-limited Fire Alarm Cable**

Page Bottom

**Power-limited Fire Alarm Cable**

See General Information for Power-limited Fire Alarm Cable

**PAIGE ELECTRIC CO L P** E191595  
1160 SPRINGFIELD RD  
PO BOX 368  
UNION, NJ 07083 USA

Types FPL, FPL-CI, FPLP, FPLR, Power Limited Fire Alarm Cable, Type FPLP cable also classified for use as Fire Alarm Cable in New York City.

Last Updated on 2007-12-04

[Questions?](#) [Print this page](#) [Notice of Disclaimer](#) [Page Top](#)

Copyright © 2011 Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2011 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.



# SOUND & SECURITY SYSTEMS

**CMR**

NON-PLENUM



ASTM Bare Copper  
High Grade PVC Insulation  
Twisted/Cabled Conductors  
Riser Rated Gray PVC Jacket

MULTI-CONDUCTOR UNSHIELDED				
PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454606Axx	22 SOLID	2	.123"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
454607Axx	22 7 x 30	2	.123"	
454665AGR	22 7 x 30	3	.158"	
454608Axx*	22 SOLID	4	.116"	
454609Axx	22 7 x 30	4	.135"	
454610AGR	22 SOLID	6	.173"	
454611AGR	22 7 x 30	6	.180"	
454612AGR	22 SOLID	8	.181"	
454613AGR	22 7 x 30	8	.186"	
454614AGR	22 SOLID	10	.187"	
454615AGR	22 7 x 30	10	.240"	
454616AGR	22 SOLID	12	.205"	
454617AGR	22 7 x 30	12	.250"	
454666AGR	20 7 x 28	2	.136"	
454618AGR	20 7 x 28	3	.160"	
454667AGR	20 7 x 28	4	.183"	
454920AGR	20 7 x 28	8	.221"	

Conductor color code 1. Chart on page 6.  
Non-Stock, Call for Availability.  
\*Conductor colors are RE, GN, YW, BK and have a random twist.

# SOUND & SECURITY SYSTEMS

**CMR**

NON-PLENUM



ASTM Bare Copper  
High Grade PVC Insulation  
Twisted/Cabled Conductors  
Riser Rated Gray PVC Jacket

MULTI-CONDUCTOR UNSHIELDED				
PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454922AGR	20 7 x 28	12	.265"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
454703Axx	18 SOLID	2	.161"	
454640AGR	18 7 x 26	2	.172"	
454668AGR	18 7 x 26	3	.179"	
454704Axx**	18 SOLID	4	.175"	
454643AGR	18 7 x 26	4	.200"	
4546442GR	18 7 x 26	5	.285"	
454669AGR	18 7 x 26	6	.290"	
454670AGR	18 7 x 26	8	.271"	
454942AGR	18 7 x 26	10	.287"	
454671AGR	18 7 x 26	12	.276"	
454656AGR	16 19 x 29	2	.198"	
454673AGR	16 19 x 29	3	.192"	
454619AGR	16 19 x 29	4	.236"	

Conductor color code 1. Chart on page 6.  
Non-Stock, Call for Availability.  
\*\*Conductor color code 2

# SOUND & SECURITY SYSTEMS

**CMR**

NON-PLENUM



ASTM Bare Copper  
High Grade PVC Insulation  
Aluminum Polyester Foil Shield with drain  
Twisted/Cabled Conductors  
Riser Rated Gray PVC Jacket

## MULTI-CONDUCTOR, OVERALL SHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454677AGR	22 SOLID	2	.120"	Access Control Security Devices Sound & Audio Intercom Paging Background Musi
454620AGR	22 7 x 30	2	.132"	
454678AGR	22 7 x 30	3	.140"	
454621AGR	22 7 x 30	4	.155"	
454622AGR	22 7 x 30	6	.180"	
454623AGR	22 7 x 30	8	.190"	
454679AGR	22 7 x 30	10	.210"	
454654AGR	22 7 x 30	12	.220"	
454680AGR	20 SOLID	2	.144"	
454681AGR	20 7 x 28	3	.149"	
454682AGR	20 7 x 28	4	.164"	
454683AGR	18 SOLID	2	.152"	
454625AGR	18 7 x 26	2	.155"	
454684AGR	18 7 x 26	3	.160"	
454626AGR	18 7 x 26	4	.189"	
454646AGR	18 7 x 26	6	.211"	
454685AGR	18 7 x 26	8	.230"	

Conductor color code 1. Chart on page page 6. \*  
Non-Stock, Call for Availability.

# SOUND & SECURITY SYSTEMS

**CL3R**

NON-PLENUM



ASTM Bare Copper  
High Grade PVC Insulation  
Twisted/Cabled Conductors  
Riser Rated Gray PVC Jacket

## MULTI-CONDUCTOR UNSHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454674AGR	14 19 x 26	2	.239"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
4546741GR	14 19 x 26	3	.258"	
454675AGR	14 19 x 26	4	.275"	
454676AGR	12 19 x 25	2	.290"	
4546761GR	12 19 x 25	3	.310"	

Conductor color code 1. Chart on page page 6.  
Non-Stock, Call for Availability.

# SOUND & SECURITY SYSTEMS



NON-PLENUM



ASTM Bare Copper  
High Grade PVC Insulation  
Aluminum Polyester Foil Shield with drain  
Twisted/Cabled Conductors  
Riser Rated Gray PVC Jacket

## MULTI-CONDUCTOR OVERALL SHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454627AGR	16 19 x 29	2	.194"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
454927AGR	16 19 x 29	3	.207"	
454686AGR	16 19 x 29	4	.236"	

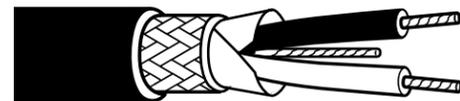


454648AGR	14 19 x 26	2	.223"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
454687AGR	12 19 x 25	2	.290"	

Conductor color code 1. Chart on page page 6.  
Non-Stock, Call for Availability.



LOW CAPACITANCE COMPUTER CABLE  
FOR EIA RS-485 APPLICATIONS



ASTM Bare Copper  
LoCap PE Insulation  
Twisted Pair 90% Tinned Copper Braid  
Chrome PVC Jacket

## MULTI-CONDUCTOR OVERALL SHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF PAIRS	NOM O.D.	CAPACITANCE
459841 459841AGR	24 7 x 32	1	.232"	12.8

# SOUND & SECURITY SYSTEMS



PLENUM LSF LOW SMOKE FUME



ASTM Bare Copper  
Premium LS PVC Insulation  
Twisted/Cabled Conductors  
Plenum Rated White Poly-flex Jacket

## MULTI-CONDUCTOR, UNSHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454628Axx	22 SOLID	2	.115"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
454649Axx	22 7 x 30	2	.120"	
454912AWH	22 7 x 30	3	.123"	
454629AWH	22 SOLID	4	.125"	
454650AWH	22 7 x 30	4	.139"	
454652AWH	22 7 x 30	6	.159"	
454689AWH	22 7 x 30	8	.170"	
454690AWH	22 7 x 30	10	.200"	
454653AWH	22 7 x 30	12	.211"	
4546511WH	20 7 x 28	2	.130"	
454630AWH	18 SOLID	2	.132"	
454641Axx	18 7 x 26	2	.150"	
454691AWH	18 7 x 26	3	.160"	
454644AWH	18 7 x 26	4	.175"	
454659AWH	18 7 x 26	6	.208"	
454692AWH	18 7 x 26	8	.227"	
454693AWH	18 7 x 26	10	.268"	

Conductor color code 1. Chart on page page 6.  
Non-Stock, Call for Availability.

# SOUND & SECURITY SYSTEMS CMP

PLENUM LSF LOW SMOKE FUME



ASTM Bare Copper  
Premium LS PVC Insulation  
Twisted/Cabled Conductors  
Plenum Rated White Poly-flex Jacket

## MULTI-CONDUCTOR, UNSHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454694AWH	16 19 x 29	2	.170"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
4546942WH	16 19 x 29	3	.181"	
454695AWH	16 19 x 29	4	.210"	

CL3P

454696AWH	14 19 x 26	2	.213"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
4546961WH	14 19 x 26	3	.227"	
454697AWH	14 19 x 26	4	.247"	
454698AWH	12 19 x 25	2	.248"	

Conductor color code 1. Chart on page page 6. \*  
Non-Stock, Call for Availability.

# SOUND & SECURITY SYSTEMS CMP

PLENUM LSF LOW SMOKE FUME



ASTM Bare Copper  
Premium LS PVC Insulation  
Aluminum Polyester Foil Shield with drain  
Twisted/Cabled Conductors  
Plenum Rated White Poly-flex Jacket

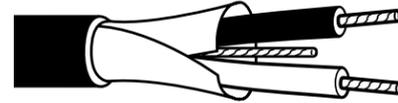
## MULTI-CONDUCTOR, OVERALL SHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
4546991WH	22 SOLID	2	.115"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
454699AWH	22 7 x 30	2	.118"	
454900AWH	22 7 x 30	3	.125"	
454631AWH	22 7 x 30	4	.139"	
454660AWH	22 7 x 30	6	.158"	
454901AWH	22 7 x 30	8	.175"	
454902AWH	22 7 x 30	10	.210"	
454903AWH	22 7 x 30	12	.220"	
454937AWH	20 7 x 28	2	.145"	
454632AWH	18 SOLID	2	.138"	
454642Axx	18 7 x 26	2	.153"	
454904AWH	18 7 x 26	3	.161"	
454645AWH	18 7 x 26	4	.183"	
454647AWH	18 7 x 26	6	.208"	
454905AWH	18 7 x 26	8	.230"	
454906AWH	18 7 x 26	10	.300"	
454907AWH	16 19 x 29	2	.185"	
454947AWH	16 19 x 29	4	.210"	

Conductor color code 1. Chart on page page 6. \*  
Non-Stock, Call for Availability.

# SOUND & SECURITY SYSTEMS CL3P

PLENUM LSF LOW SMOKE FUME



ASTM Bare Copper  
Premium LS PVC Insulation  
Aluminum Polyester Foil Shield with drain  
Twisted/Cabled Conductors  
Plenum Rated White Poly-flex Jacket

## MULTI-CONDUCTOR, OVERALL SHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454908AWH	14 19 x 26	2	.223"	Access Control Security Devices Sound & Audio Intercom Paging Background Music
454913AWH	14 19 x 26	4	.254"	
454943AWH	12 19 x 25	2	.280"	



ASTM Bare Copper  
LoCap FPR Insulation  
Aluminum Polyester Foil Shield with drain  
Twisted/Cabled Conductors  
Plenum Rated White Poly-flex Jacket

## DATA AND COMMUNICATIONS GRADE

Multi-Conductor, Overall Shielded  
Low Capacitance

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	CAPACITANCE
4546002AWH	24 7 x 32	2	.136"	12.0 pF / FT
4546992WH	24 7 x 30	2	.148"	12.5 pF / FT

Conductor color code 1. Chart on page page 6.  
Non-Stock, Call for Availability.

# SOUND & SECURITY SYSTEMS LSZH

LOW SMOKE ZERO HALOGEN CABLES



ASTM Bare Copper  
Low Smoke Zero Halogen Insulation  
Low Smoke Zero Halogen Jacket

## MULTI-CONDUCTOR, UNSHIELDED

PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454300UE	18	2	.161"	All Building Management Systems.
454301UE	18	3	.161"	
454302UE	18	4	.189"	
454200UE	16	2	.185"	
454201UE	16	3	.197"	
454202UE	16	4	.217"	
454100UE	14	2	.232"	



## MULTI-CONDUCTOR, SHIELDED

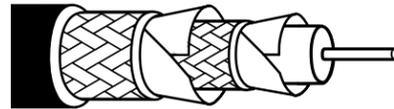
PAIGE PART NO.	AWG & STRANDING	NO. OF COND.	NOM O.D.	POSSIBLE USE & APPLICATIONS
454300FE	18	2	.165"	All Building Management Systems.
454301FE	18	3	.177"	
454302FE	18	4	.193"	
454200FE	16	2	.189"	
454201FE	16	3	.201"	
454202FE	16	4	.220"	
4544100FE	14	2	.240"	

\* Also available with UL approvals.

# COAXIAL CABLES

**CATV / CL3** or **CM**

NON-PLENUM



ASTM Bare Copper or  
Copper Clad Steel  
Low Density Polyethylene Insulation  
Overall Black Sunlight Resistant  
PVC Jacket

RG59				
PAIGE PART NO.	AWG & STRANDING	SHIELD	NOM O.D.	POSSIBLE USE & APPLICATIONS
454818ABL	22 SOLID CCS	40% AL BRAID +100% AL FOIL	.242"	CATV
RG6				
454812ABL	18 SOLID BC	65% AL BRAID + 100% AL FOIL	.275"	CATV
454810AWH	18 SOLID BC	60% AL BRAID +100% AL FOIL 40% AL BRAID +100% AL FOIL	.300"	
RG11				
454814ABL	14 SOLID BC	65% AL BRAID + 100% AL FOIL	.405"	CATV

For Outdoor Versions see Page 71.  
Non-Stock, Call for Availability.

# COAXIAL CABLES

**CL3** or **CM**

NON-PLENUM



ASTM Bare Copper  
Foamed Polyethylene Insulation  
Bare Copper Shield  
Overall Black Sunlight Resistant  
PVC Jacket

RG59				
PAIGE PART NO.	AWG & STRANDING	SHIELD	NOM O.D.	POSSIBLE USE & APPLICATIONS
454800ABLS	20 SOLID BC	95% BC BRAID	.242"	CCTV
454806ABL	20 SOLID BC 18/27 x 26 (SIAMESE)	95% BC BRAID	.242" x .460"	CCTV & POWER
RG6				
454802ABLS	18 SOLID BC	95% BC BRAID	.270"	CCTV
454822ABK	18 SOLID BC 16/219 x 29 (SIAMESE)	95% BC BRAID	.460"	CCTV & POWER
RG11				
454807ABL	14 SOLID BC	95% BC BRAID	.405"	CCTV

For Outdoor Versions see Page 71.

# LAN, DATA & NETWORK SOLUTIONS

NON-PLENUM

**CMR**



ASTM Bare Copper  
DataCap FE Insulation  
Paired Conductors  
Riser Rated Misc. Colors PVC Jacket

CATEGORY 5E Unshielded Twisted Pairs (UTP)				
PAIGE PART NO.	AWG & STRANDING	NO. OF PAIRS	NOM O.D.	POSSIBLE USE & APPLICATIONS
710548E	24 SOLID	4	.185"	Voice or Data UTP Video
710554E*	24 SOLID 350 MHZ	4	.185"	

Conductor color code 9.

\*Conductor color code 6. Chart on page 50.

For Outdoor versions see p.72.

**CM**

or

**CMR**

LOW SMOKE-ZERO HALOGEN Category 5E-350 MHZ Unshielded Twisted Pairs (UTP)				
PAIGE PART NO.	AWG & STRANDING	NO. OF PAIRS	NOM O.D.	POSSIBLE USE & APPLICATIONS
71B48WT35Z	24 SOLID	4	.200"	Voice or Data UTP Video LSZH

# LAN, DATA & NETWORK SOLUTIONS

NON-PLENUM

**CMR**



ASTM Bare Copper  
DataCap FE Insulation  
Paired Conductors  
X-Beam Spacer  
Riser Rated LS PVC Jacket

TIA/EIA CERTIFIED CATEGORY 6 Unshielded Twisted Pairs "UTP"				
PAIGE PART NO.	AWG & STRANDING	NO. OF PAIRS	NOM O.D.	POSSIBLE USE & APPLICATIONS
710648	23 SOLID	4	.220"	Voice or Data UTP Video

PLENUM

**CMP**

DataCap FP Insulation

710636	23 SOLID	4	.220"	Voice or Data UTP Video
--------	----------	---	-------	----------------------------

These cables are specially designed to exceed the TIA/EIA 568 B.2-1 standard for next generation category 6 cabling. They are constructed of four precision balanced pairs, held in correct alignment by means of a unique central "X-Beam" spacer. For systems operating from 10Mb/s to 1000Mb/s, these cables provide the necessary headroom and bandwidth to support the most robust applications.

Conductor color code 9. Chart on page 50.

Non-Stock, Call for Availability.

Low Smoke Zero Halogen Also Available.



WE TAKE YOUR BUSINESS PERSONALLY

PAIGE ELECTRIC CO., L.P.

1160 Springfield Road  
 P.O. Box 368  
 Union, NJ 07083-0368  
 908.687.7810  
 800.327.2443  
 Fax: 908.687.8860  
<http://www.paigeelectric.com>

**JOB REFERENCE LIST**

- Al Tayer Tower
- Al Ghath
- Bay Square Hotel
- BBET
- Burj Khalifa
- Burj Al Nojoom
- Burj Dubai Plot 29 & 30
- Burj Boulevard, Plot 55 57 58 & 59
- Burj Underground Car Park
- City Of Lights
- DLRT Metro Stations
- Dubai Gate
- Elite Hotel
- Fairmont Hotel & Residence
- Gateway - Podium
- Global Village
- Hamilton Tower
- Hatta Staff Accomod
- Infinity Tower
- JBK Controls
- Khalifa Port, Abu Dhabi
- Laguna Beach, Ajman
- Laguna Tower
- MAF Tower
- Mayfair & Business Park
- Meydan Business Park
- NDIA, Doha, Qatar
- New York University, Abu Dhabi
- Ocean Heights
- Oceana Mov'n'pick
- Princess Tower
- Publishing Pavellion
- Queen Alia Int'l Airport, Amman
- Ramada Jumeirah
- Royal Amwaj
- Sorouh Tower
- Taj Exotica
- Taj Hotel
- Techno Park
- Zain Al Zubaidi

Paige is E.D.I. Capable

PAIGE CABLES CONSULTANT AND CLIENT REFERENCE LIST

SL.NO.	PROJECT NAME	TYPE	CLIENT	CONSULTANT	YEAR
1	Blue Waters Hospitality	Hospitality & Entertainment zones.	Meraas		2016
2	Blue Waters Residential	Residential	Meraas		2016
3	Commercial Residential Building(3B +G+HC +14/29)Floors M Arsa Dubai	Commercial / Residential Bldg	Talal Suliman Al Ghunaim		2015
4	B+G+6+Roof Commercial & Residential Bldg. Plot 316-550, Al Raffa, Dubai, UAE.	Commercial / Residential Bldg	Mohammad & Obaid Al Mulla (LLC)		2015
5	The Dubai Mall - Fashion Avenue Expansion	Shopping Mall	Emaar		2015
6	Al Zorah Resort Hotel - Ajman	Resort Hotel	Al Zorah		2015
7	Downtown Dubai Development Burj Vista on Plot No. 14-17	Skyscraper	Emaar		2015
8	The Dubai Mall - Expansion 8301 Dubai	Shopping Mall	Emaar		2015
9	Damac Tower, Lotus Tower	Tower	Damac		2015
10	Al Duja Tower	Tower	Naser, Hussain Abdullah, Lootah		2015
11	Kaloti Refinery, DMCC, Dubai	Factory	Kaloti Jewellery		2015
12	Viceroy Hotels Resorts Residences Palm Jumeirah Dubai UAE	Resort	Assas Investment Limited		2015
13	Madinat Jumeirah Project -4	Hotel & Resort	Jumeirah Group		2015
14	Al Amal Psychiatric Hospital – Dubai	Hospital	Ministry of Public Works		2014
15	Al Hilal City, Fujairah	Office/Commercial Bldg	Al Hilal Properties		2014
16	General Department of Forensic Science & Criminology Project on Plot.	Forensic Lab	Dubai Police Head Quarter		2014
17	Ethad Rail Housing Complex - Mirfa	Housing Complex	Abu Dhabi Govt		2014
18	3B+G+M+4P+32 Commercial Residential Building	Commercial Bldg	Dhabi Land		2014
19	Burj Dubai / Burj Khalifa	Skyscraper	Emaar		2006-07
20	NDIA - New Doha International Airport	Airport	NDIA, Doha		2010
21	QAIA - Queen Alia International Airport, Amman Jordan	Airport	QAIA, Amman		2011-12
22	Muscat International Airport	Airport	DMIA		2012
23	Salala International Airport	Airport	DSIA		2012
24	New York University, Abudhabi	University	Mubadala		2012
25	Meydan Racing District Development	Stadium & Hotel	Meydan Racing		2008-09
26	Dubai Metro Green Line	Metro Stations	RTA		2007-08
27	Khalifa Port, Abudhabi	Sea Port	ADPC		2011-12
28	Al Fahidi Market	Shopping Mall	Dubai Municipality		2011-12
29	Burj Dubai Plot 29-30	Residential Tower	Emaar		2012
30	Burj Dubai Plot 55-57, 29	Residential Tower	Emaar		2012
31	Al Habtoor Resorts & Spa @ Palm Jumeriah	Resort	Al Habtoor		2012

## JOB REFERENCE LIST FOR BMS CABLES

MAKE: PAIGE ELECTRIC CO., USA

SL. NO.	PROJECT NAME	CLIENT	CONSULTANT	MAIN CONTRACTOR	MEP CONTRACTOR	YEAR
1	ASTER HOSPITAL	AL ARIF	ARIF & BINTOAK	AL ARIF	POWER FACTOR ELECTRO-MECHANICAL WORKS LLC	2014
2	ABUDHABI FUTURE SCHOOL PROGRAM PHASE 2, PACKAGE-4-AL FALAH & AL BAHYA	MUSANADA	DEWAN ARCHITECTS & ENGINEERS	UNEC (UNITED ENGINEERING CONSTRUCTION)	ASEM	2013
3	MOSQUE AND SERVICE PLOTS ON PLOT NO. 266-740 AT AL TWAR FIRST DUBAI FOR M/s. DUBAI POLICE GENERAL H.Q	DUBAI POLICE GENERAL H.Q	AL HASHEMI	GENERAL CONSTRUCTION COMPANY LLC	RADIANT TECHNICAL WORKS LLC	2013
4	VEHICLE BODY & PAINT WORKSHOP PLOT NO. 364-719 @ AL QUOZ INT. 1ST	GALADARI BROTHERS	ARIF & BINTOAK	AL ARIF CONTRACTING CO. LLC	POWER FACTOR ELECTRO-MECHANICAL WORKS LLC	2013
5	NEW DOHA INTERNATIONAL AIRPORT	QATAR CIVIL AVIATION	BECHTEL	MUHIBBAH ENGINEERING	CIMAC TECHNOLOGIES	2012
6	QUEEN ALIA INTERNATIONAL AIRPORT	CIVIL AVIATION	ADPI		ENERGY INTERNATIONAL	2012
7	NEW YORK UNIVERSITY, ABUDHABI	MUBADALA	WSP	AL FUTTAIM CARILLION	POWER TRANSMISSION GULF	2012
8	AL FAHIDI MARKET	DUBAI MUNICIPALITY	GULF ENGINEERING & CONSULTANTS	AL ARIF CONTRACTING LLC	POWER FACTOR ELECTROMECHANICAL WORKS LLC	2012
9	MEP STORE		KHATIB & ALAMI	AL SHAFAR UNITED	AL SHAFAR GENERAL CONTRACTING	2012
10	DELTA-2 (3B+G+20 ROOF) STOREY BUILDING	DELTA PROPERTIES LLC	NATIONAL ENGINEERING BUREAU	ENGINEERING CONTRACTING CO LLC	UNITED MASTERS ELECTROMECHANICAL LLC	2012
11	PLOTS 55-57, 29 THE BOULEVARD	EMAAR	HOLFORDS	AL FUTTAIM CARILLION	ROTARY HUMM	2012
12	BURJ DUBAI PLOTS 29 & 30	EMAAR	RICE PERRY ELLIS	BESIX - ARABTEC	EFECO	2012
13	UNDERGROUND PARK PARKS	EMAAR	HYDER CONSULTING MIDDLE EAST	BILT MIDDLE EAST	BILT MIDDLE EAST	2011
14	BURJ DUBAI PROJECT		HYDER CONSULTING MIDDLE EAST	SAMSUNG BESIX ARABTEC JV		2006

## Sample Custom Access Control Composite Cable Designs

Part Number	Description	Outer Jacket	Jacket Color	Rating	O.D.	Notes
454962AYW	5 Element Individually Jacketed 18/6 OAS CMP, 18/4 OAS CMP, 22/4 OAS CMP, 16/2 OAS CMP, 18/2 OAS CMP	yes	yellow	CMP CL3P	.501"	Extra element 18/2 for auxiliary pushbutton, printed with Princeton University
454963AYW	4 Element Individually Jacketed 18/8 OAS CMR, 18/4 OAS CMR, 22/4 OAS CMR, 16/2 OAS CMR	yes	yellow	CMR CL3R	.503"	2 extra conductors in reader element for reader options, printed University of Tennessee
454961AYW	5 Element Individually Jacketed 18/6 OAS CMP, 18/6 OAS CMP, 18/4 OAS CMP, 22/4 OAS CMP, 16/2 OAS CMP	yes	yellow	CMP CL3P	.546"	Extra card reader element for two reader doors (anti-passback) printed CIT Security
454932AGN	4 Element Individually Jacketed 18/6 OAS CMP, 18/4 OAS CMP, 22/4 OAS CMP, 16/2 OAS CMP	yes	green	CMP CL3P	.451"	Custom Birmingham AL
454951AYW	4 Element Individually Jacketed 22/3pr OAS CMP, 18/4 OAS CMP, 22/4 OAS CMP, 22/2 OAS CMP	yes	yellow	CMP CL3P	.401"	Custom Miami FL
454860AGR	2 Element Individually Jacketed 24/2 OAS CM, 18/2 CM	yes	gray	CM CL3		For SWH RM series, composite in lieu of separate Belden conductors

## Sample Stocked Standard Access Control Composite Cable Designs

Part Number	Description	Outer Jacket	Jacket Color	Rating	O.D.	Notes
454932AYW	4 Element Individually Jacketed 18/6 OAS CMP, 18/4 OAS CMP, 22/4 OAS CMP, 16/2 OAS CMP	yes	yellow	CMP CL3P	.451"	
45658AFS	4 Element Individually Jacketed 22/3pr OAS CMP, 18/4 OAS CMP, 22/4 OAS CMP, 22/2 OAS CMP	no		CMP CL3P	.380"	Alternate equal to Belden 658AFS
1S12981R5	4 Element Individually Jacketed 22/3pr OAS CM, 18/4 OAS CM, 22/4 OAS CM, 22/2 OAS CM	yes	gray	CM CL2	.410"	



**Paige<sup>®</sup>**  
**LoVoltage**

Electronic Wire and Cable

Paige Electric Company

1160 Springfield Road

Union, NJ 07083

U.S. Phone Toll Free: 800.327.2443

908.687.7810 Fax: 908.687.8860

e-mail: [mfox@paigeelectric.com](mailto:mfox@paigeelectric.com)

visit our website: [www.paigecable.com](http://www.paigecable.com)