



# Plenum Cable

- LAN CABLE
- COAXIAL CABLE
- SECURITY CABLE
- ACCESS CONTROL CABLE
- LUTRON CABLE



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HANGZHOU ZION COMMUNICATION CO.,LTD

# CERTIFICATES & APPROVALS

## E541136 UL CMP

### Certificate of Compliance

**Issued to:**  
HANGZHOU ZION COMMUNICATION CO.,LTD  
No. 68 Huaqiao Road, Xinxiao Village  
Jincheng Street, Lin'an District Hangzhou City  
Zhejiang Province 311300 CN

**Certificate Number:**  
[E541136]

**Report Reference:**  
E541136-20240509

**Issue Date:**  
2024-MAY-09

This certificate confirms that representative samples of:  
**COMMUNICATIONS CABLE**  
**See addendum page for models**

Has been evaluated by UL LLC in accordance with Standard(s) for Safety:  
**[UL 444 & CSA C22.2 No. 214 - Communications Cables]**

**Additional Information:**  
See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

  
David Placuch  
UL Mark Certification Program Owner

  
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### Certificate of Compliance

**Certificate Number:** E541136  
**Report Reference:** E541136-20240509  
**Issue Date:** 2024-MAY-09

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

CMP

  
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# CERTIFICATES & APPROVALS

## E541137-UL CL2P CL3P

### Certificate of Compliance

**Certificate Number:**  
[E541137]

**Report Reference:**  
E541137-20240509

**Issue Date:**  
2024-MAY-09

Issued to:  
**HANGZHOU ZION COMMUNICATION CO.,LTD**  
No. 68 Huaqiao Road, Xinxiao Village  
Jincheng Street, Lin'an District Hangzhou City  
Zhejiang Province 311300 CN

This certificate confirms that representative samples of:  
**POWER-LIMITED CIRCUIT CABLE**  
See **addendum page for models**

Has been evaluated by UL LLC in accordance with Standard(s) for Safety:  
**[UL 13 Power-Limited Circuit Cables]**

Additional Information:  
See UL Product iQ® at <https://iq.ulprospector.com> for additional information.

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UL Mark Certification Program Owner

  
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### Certificate of Compliance

**Certificate Number:** E541137  
**Report Reference:** E541137-20240509  
**Issue Date:** 2024-MAY-09

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

CL2P, CL3P

  
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# CERTIFICATES & APPROVALS

## 5030207 ETL CMP

**intertek**  
Total Quality Assured.

# CERTIFICATE OF COMPLIANCE

This certificate confirms the model(s) for the product listed are in compliance and authorized to bear the Certification Mark(s) shown below when made in accordance with the conditions set forth in the Certification Agreement and Listing Report.

**HANGZHOU ZION COMMUNICATION CO.,LTD**

Address: No. 68 Huaqiao Road, Xinxiao Village, Jincheng Street, Lin'an District Hangzhou City, Zhejiang Province, 311300

Country: China

Report Issuing Office: Intertek Testing Services Shenzhen Limited Guangzhou Branch

Control Number: 5030207 Authorized by: *Katherine Laidensale*  
for L. Matthew Snyder, Certification Manager

VALID LISTING MARKS



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Intertek Testing Services NA Inc.  
545 East Algonquin Road, Arlington Heights, IL 60005  
Telephone 800-345-3851 or 847-439-5667

|                     |   |
|---------------------|---|
| <b>Standard(s):</b> | Communications Cables [UL 444:2017 Ed.5+R:16Jun2021]<br>Communications Cables (R2021) [CSA C22.2#214:2017 Ed.8+U1;U2] |
| <b>Product:</b>     | Communications Cables   |
| <b>Brand Name:</b>  |                                    |
| <b>Models:</b>      | CMP   |

Certificate for Report: 100012884AHM-001
Page 1 of 1
Certificate Issued: July 23, 2024  
TF-ETL-OP-23e (14-Feb-2022)

## 5030206 ETL CL2P CL3P

**intertek**  
Total Quality Assured.

# CERTIFICATE OF COMPLIANCE

This certificate confirms the model(s) for the product listed are in compliance and authorized to bear the Certification Mark(s) shown below when made in accordance with the conditions set forth in the Certification Agreement and Listing Report.

**HANGZHOU ZION COMMUNICATION CO.,LTD**

Address: No. 68 Huaqiao Road, Xinxiao Village, Jincheng Street, Lin'an District Hangzhou City, Zhejiang Province, 311300

Country: China

Report Issuing Office: Intertek Testing Services Shenzhen Limited Guangzhou Branch

Control Number: 5030206 Authorized by: *Jordan Roberts*  
for L. Matthew Snyder, Certification Manager

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545 East Algonquin Road, Arlington Heights, IL 60005  
Telephone 800-345-3851 or 847-439-5667

|                     |  |
|---------------------|--|
| <b>Standard(s):</b> | Power-Limited Circuit Cables [UL 13:2015 Ed.4+R:18Mar2022]                           |
| <b>Product:</b>     | Power-Limited Circuit Cable  |
| <b>Brand Name:</b>  |  |
| <b>Models:</b>      | CL2P CL3P  |

Certificate for Report: 100012877AHM-001
Page 1 of 1
Certificate Issued: July 12, 2024  
TF-ETL-OP-23e (14-Feb-2022)

# LAN CABLE PLENUM (UL)C(UL) ETL



## Certificates | Construction

|                         |   |
|-------------------------|---|
| UL CMP Certificate No.  | ■ E541136   |
| Standards               | ■ UL 444 & CSA C22.2 No.214 Communications Cables   |
| ETL CMP Certificate No. | ■ 5030207   |
| Standards               | ■ Communications Cables [UL 444:2017 Ed.5+R:16Jun2021]<br>■ Communications Cables (R2021) [CSA C22.2#214:2017 Ed.8+U1;U2] |
| Conductor Material      | Solid Bare Copper   |
| Pairs                   | 4 Pairs   |
| Insulation Colors       | Blue-White/Blue, Orange-White/Orange, Green-White/Green, Brown-White/Brown  |
| Rip Cord                | Kevlar  |
| Out Jacket              | Plenum PVC  |





## ■ CAT5E CABLE PLENUM (UL)C(UL) ETL

| Code           | 7112105                       | 7112115   | 7112125  |                            |
|----------------|-------------------------------|---|--|----------------------------|
| Description    | U/UTP CAT 5e -Plenum          | F/UTP CAT 5e -Plenum                            | SF/UTP CAT 5e -Plenum  |                            |
| Conductor Size | 24AWG/ 0.0193" / 0.49±0.005mm | 24AWG/ 0.0205" / 0.51±0.005mm                   | 24AWG/ 0.0205" / 0.51±0.005mm                                  |                            |
| Insulation     | 0.034" / 0.87±0.05 mm FEP     | 0.0394" / 1.00±0.05 mm FEP                      | 0.0394" / 1.00±0.05 mm FEP                                     |                            |
| Shielded       | Unshielded                    | Aluminium poly laminate (Color: Blue or Silver) | Aluminium Poly Laminate<br>Tinned Copper Braiding 40% Coverage |                            |
| Drain Wire     | None                          | 24 AWG Solid Tinned Copper                      | 24 AWG Solid Tinned Copper                                     |                            |
| Out Jacket     | Wall Thickness                | 0.0157". Nom (0.4mm)                            | 0.0157". Nom (0.40mm)  | 0.0157". Nom (0.40mm)      |
|                | OD                            | 0.1811"±0.008" (4.6±0.2mm)                      | 0.2303"±0.012" (5.85±0.3mm)                                    | 0.240"±0.012" (6.10±0.3mm) |
|                |                               |   |  |                            |


## ■ CAT6 CABLE PLENUM (UL)C(UL) ETL

| Code                   | 7112205-FC                   | 7112205NOS                         | 7112215-FC                                      | 7112225-FC   |
|------------------------|------------------------------|------------------------------------|---|--|
|                        | 7112205-LC                   |                                    | 7112215-LC                                      | 7112225-LC   |
| Description            | U/UTP CAT 6 CABLE -Plenum    | U/UTP CAT 6 Without Spline -Plenum | F/UTP CAT 6 CABLE -Plenum                       | SF/UTP CAT 6 CABLE -Plenum                                     |
| Conductor Size         | 23AWG/ 0.022" / 0.56±0.005mm | 23AWG/ 0.022" / 0.56±0.005mm       | 23AWG/ 0.023" / 0.585±0.005mm                   | 23AWG/ 0.023" / 0.585±0.005mm                                  |
| Insulation             | 0.0394" / 1.00±0.05 mm FEP   | 0.0385" / 0.98±0.05 mm FEP         | 0.0433" / 1.10±0.05 mm FEP                      | 0.0433" / 1.10±0.05 mm FEP                                     |
| Spline/Cross Separator | FEP or LSZH CROSSWEB         | None                               | FEP or LSZH CROSSWEB                            | FEP or LSZH CROSSWEB   |
| Shielded               | Unshielded                   | Unshielded                         | Aluminium poly laminate (Color: Blue or Silver) | Aluminium poly laminate<br>Tinned Copper Braiding 40% Coverage |
| Out Jacket             | Wall Thickness               | 0.0157". Nom(0.4mm)                | 0.0157". Nom(0.4mm)                             | 0.0157". Nom(0.4mm)  |
|                        | OD                           | 0.220"±0.008" (5.6±0.2mm)          | 0.197"±0.008" (5.00±0.2mm)                      | 0.283"±0.012" (7.2±0.3mm)                                      |
|                        |                              |                                    |   |  |

## ■ CAT6A CABLE PLENUM (UL)C(UL) ETL

|                        |   |   |  |   |
|------------------------|---|---|--|---|
| Code                   | 7112305-FC  | 7112315-FC  | 7112361  | 7112362   |
|                        | 7112305-LC  | 7112315-LC  |  |   |
| Description            | U/UTP CAT 6A CABLE -Plenum  | F/UTP CAT 6A CABLE -Plenum  | U/UTP CAT 6A 28AWG STR CABLE -Plenum   | U/UTP CAT 6A 26AWG STR CABLE -Plenum  |
| Conductor Size         | 23AWG/ 0.0226" /0.575±0.005mm   | 23AWG/ 0.023" / 0.585±0.005mm   | 28AWG/ 7×0.005" / 7×0.127mm  | 26AWG/ 7×0.00629" / 7×0.16mm  |
| Insulation             | 0.0394" / 1.00±0.05 mm FEP  | 0.043" / 1.10±0.05 mm FEP   | 0.0236" / 0.60±0.05 mm FEP   | 0.0299" / 0.76±0.05 mm FEP  |
| Spline/Cross Separator | FEP or LSZH CROSSWEB  | FEP or LSZH CROSSWEB  | None   | None  |
| Shielded               | Unshielded  | Aluminium poly laminate (Color: Blue or Silver)                                   | Unshielded   | Unshielded  |
| Out Jacket             | Wall Thickness  | 0.0157". Nom(0.4mm)   | 0.0157". Nom(0.4mm)  |   |
|                        | OD  | 0.2421"±0.008" (6.15±0.2mm)   | 0.291"±0.012" (7.4±0.3mm)  | 0.1377"±0.006" (3.5±0.15mm)   |
|                        |  |  |  |  |

## ■ CAT7 CABLE PLENUM (UL)C(UL) ETL

|                        |   |                           |
|------------------------|---|---------------------------|
| Code                   | 7112405   |                           |
| Description            | S/FTP CAT 7 CABLE -Plenum   |                           |
| Conductor Size         | 23AWG/ 0.023" / 0.585±0.005mm   |                           |
| Insulation             | 0.059" / 1.50±0.05 mm FEP   |                           |
| Spline/Cross Separator | None  |                           |
| Shielded               | Individually Aluminum Poly laminate for pair<br>Al_Mg Braiding                      |                           |
| Out Jacket             | Wall Thickness  | 0.0197". Nom(0.5mm)       |
|                        | OD  | 0.307"±0.012" (7.8±0.3mm) |
|                        |  |                           |

# COAXIAL CABLE PLENUM (UL)C(UL) ETL



## Certificates | Construction

|                          |   |
|--------------------------|---|
| UL CMP Certificate No.   | ■ E541136   |
| Standards                | ■ UL 444 & CSA C22.2 No.214 Communications Cables   |
| ETL CMP Certificate No.  | ■ 5030207   |
| Standards                | ■ Communications Cables [UL 444:2017 Ed.5+R:16Jun2021]<br>■ Communications Cables (R2021) [CSA C22.2#214:2017 Ed.8+U1;U2] |
| Inner Conductor Material | Copper Covered Steel (CCS) / Solid Bare Copper (BC)   |
| Insulation Material      | Skin Foam FEP   |
| Out Jacket               | Plenum PVC  |
| Application              | Audio/Video<br>CATV/CCTV  |

## ■ RG6/U PLENUM PLENUM (UL)C(UL) ETL



| Code                     | 7100009                             | 7100010                             | 7100025                             | 7100035                        |
|--------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------|
| Description              | RG6/U S 60% -Plenum                 | RG6/U S 90% -Plenum                 | RG6/U Tri 77% -Plenum               | RG6/U QUAD -Plenum             |
| Inner Conductor Material | Copper Covered Steel (CCS)          | Copper Covered Steel (CCS)          | Copper Covered Steel (CCS)          | Copper Covered Steel (CCS)     |
| Conductor Size           | 0.040*18AWG/1.024±0.008mm           | 0.040*18AWG/1.024±0.008mm           | 0.040*18AWG/1.024±0.008mm           | 0.040*18AWG/1.024±0.008mm      |
| Insulation               | 0.170±0.006*/4.32±0.15mm            | 0.170±0.006*/4.32±0.15mm            | 0.170±0.006*/4.32±0.15mm            | 0.170±0.006*/4.32±0.15mm       |
| Shielded                 | 1: Bonded Aluminum/Poly Tape        | 1: Bonded Aluminum/Poly Tape        | 1: Bonded Aluminum/Poly Tape        | 1: Bonded Aluminum/Poly Tape   |
|                          | 2: AL_MG braiding wire 60% Coverage | 2: AL_MG braiding wire 90% Coverage | 2: AL_MG braiding wire 77% Coverage | 2: AL_MG braiding 60% Coverage |
| Out Jacket               | Normal Thickness                    | 0.018*(0.46mm)                      | 0.018*(0.46mm)                      | 0.018*(0.46mm)                 |
|                          | OD                                  | 0.236±0.012* (6.0±0.3mm)            | 0.236±0.012* (6.0±0.3mm)            | 0.238±0.012* (6.1±0.3mm)       |
|                          |                                     |                                     |                                     |                                |

## ■ RG59/U PLENUM (UL)C(UL) ETL



| Code                     | 7100111  | 7100112  |
|--------------------------|--|--|
| Description              | RG59/U S 95% BC -Plenum  | RG59/U S 95%CCA -Plenum  |
| Inner Conductor Material | Solid Bare Copper (BC)   | Solid Bare Copper (BC)   |
| Conductor Size           | 0.032*20AWG/0.813±0.008mm  | 0.032*20AWG/0.813±0.008mm  |
| Insulation               | 0.134±0.006*/3.40±0.15mm   | 0.134±0.006*/3.40±0.15mm   |
| Shielded                 | Copper braiding wire 95% Coverage<br>Nom.Dia: 0.154±0.006* / 3.91±0.15mm | Copper Clad Aluminum braiding wire 95% Coverage<br>Nom.Dia: 0.154±0.006* / 3.91±0.15mm |
| Out Jacket               | Normal Thickness   | 0.018*(0.46mm)   |
|                          | OD   | 0.197±0.008* (5.0±0.2mm)   |
|                          |  |  |



## ■ RG11/U PLENUM (UL)C(UL) ETL

|                          |   |  |
|--------------------------|---|--|
| Code                     | 7100210   | 7100246  |
| Description              | RG11/U S 60% -Plenum  | RG11/U QUAD -Plenum  |
| Inner Conductor Material | Copper Covered Steel (CCS)  | Copper Covered Steel (CCS)   |
| Conductor Size           | 0.064"/14AWG/1.63±0.016mm   | 0.064"/14AWG/1.63±0.016mm  |
| Insulation               | 0.280±0.006"/7.11±0.15mm  | 0.280±0.006"/7.11±0.15mm   |
| Shielded                 | 1: Bonded Aluminum/Poly Tape  | 1: Bonded Aluminum/Poly Tape   |
|                          | 2: AL_MG braiding wire 60% Coverage   | 2: AL_MG braiding wire 60% Coverage  |
| Out Jacket               | Normal Thickness  | 0.018"(0.46mm)   |
|                          | OD  | 0.350±0.012" (8.90±0.3mm)  |
|                          |  |  |

## ■ RG59/U+2C PLENUM (UL)C(UL) ETL

|                          |   |  |
|--------------------------|---|--|
| Code                     | 7102023   | 7102028  |
| Description              | RG59/U+2/18AWG-Plenum   | RG59/U+2/18AWG-Plenum  |
| Inner Conductor Material | Solid Bare Copper (BC)  | Solid Bare Copper (BC)   |
| Conductor Size           | 0.032"/20AWG/0.813±0.008mm  | 0.032"/20AWG/0.813±0.008mm   |
| Insulation               | 0.134±0.006"/3.40±0.15mm  | 0.134±0.006"/3.40±0.15mm   |
| Shielded                 | Copper braiding wire 95% Coverage   | Copper Clad Aluminum braiding wire 95% Coverage                                      |
|                          | Nom.Dia: 0.154±0.006" / 3.91±0.15mm   | Nom.Dia: 0.154±0.006" / 3.91±0.15mm  |
| Out Jacket               | Normal Thickness  | 0.018"(0.46mm)   |
|                          | OD  | 0.197±0.008" (5.0±0.2mm)   |
|                          |  |  |

# SECURITY CABLE PLENUM (UL)C(UL) ETL



## Certificates | Construction

|                               |   |
|-------------------------------|---|
| UL CL2P/CL3P Certificate No.  | ■ E541137   |
| Standards                     | ■ UL 13 Power-Limited Circuit Cables  |
| ETL CL2P CL3P Certificate No. | ■ 5030206   |
| Standards                     | ■ Power-Limited Circuit Cables [UL 13:2015 Ed.4+R:18Mar2022]  |
| UL CMP Certificate No.        | ■ E541136   |
| Standards                     | ■ UL 444 & CSA C22.2 No.214 Communications Cables   |
| ETL CMP Certificate No.       | ■ 5030207   |
| Standards                     | ■ Communications Cables [UL 444:2017 Ed.5+R:16Jun2021]<br>■ Communications Cables (R2021) [CSA C22.2#214:2017 Ed.8+U1;U2] |
| Conductor Material            | Solid Bare Copper (BC) / Copper Covered Steel (CCS)   |
| Dielectric Material           | Plenum PVC - Low Smoke  |
| Rip Cord                      | Yes   |
| Out Jacket                    | Plenum PVC - Low Smoke  |

# SECURITY SOL Unshielded CABLE PLENUM (UL)C(UL) ETL

## ■ 2C/(18AWG-12AWG)

| Code              | P7110041                          | P7110044                          | P7110046                          | P7110048                        |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|---------------------------------|
| Description       | 18AWG 2C SOL Unshielded -Plenum   | 16AWG 2C SOL Unshielded -Plenum   | 14AWG 2C SOL Unshielded -Plenum   | 12AWG 2C SOL Unshielded -Plenum |
| Conductor Size    | 18AWG/ 0.0403" / 1.02±0.008mm     | 16AWG/ 0.0508" / 1.29±0.008mm     | 14AWG/ 0.064" / 1.63±0.008mm      | 12AWG/ 0.081" / 2.05±0.008mm    |
| Dielectric Size   | 0.054±0.004"nom.<br>(1.37±0.10mm) | 0.064±0.004"nom.<br>(1.63±0.10mm) | 0.078±0.004"nom.<br>(1.98±0.10mm) | 0.101±0.004"nom.(2.57±0.10mm)   |
| Dielectric Colors | 1.Blk 2.Red                       | 1.Blk 2.Red                       | 1.Blk 2.Red                       | 1.Blk 2.Red                     |
| Out Jacket        | Wall Thickness                    | 0.0150". Nom(0.38mm)              | 0.0150". Nom(0.38mm)              | 0.0150". Nom(0.38mm)            |
|                   | OD                                | 0.136*±0.006" (3.45±0.15mm)       | 0.154*±0.006" (3.91±0.15mm)       | 0.180*±0.006" (4.57±0.15mm)     |
|                   |                                   |                                   |                                   |                                 |

## ■ 4C/(18AWG-14AWG)

| Code              | P7110042                          | P7110045                          | P7110047                          | P7110043                                   |
|-------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|
| Description       | 18AWG 4C SOL Unshielded -Plenum   | 16AWG 4C SOL Unshielded -Plenum   | 14AWG 4C SOL Unshielded -Plenum   | 18AWG 4C SOL Unshielded -Plenum            |
| Conductor Size    | 18AWG/ 0.0403" / 1.02±0.008mm     | 16AWG/ 0.0508" / 1.29±0.008mm     | 14AWG/ 0.064" / 1.63±0.008mm      | 18AWG/ 0.0403" / 1.02±0.008mm              |
| Dielectric Size   | 0.054±0.004"nom.<br>(1.37±0.10mm) | 0.064±0.004"nom.<br>(1.63±0.10mm) | 0.078±0.004"nom.<br>(1.98±0.10mm) | 0.054±0.004"nom.(1.37±0.10mm)              |
| Dielectric Colors | 1.Blk 2.Red 3.White 4.Green       | 1.Blk 2.Red 3.White 4.Green       | 1.Blk 2.Red 3.White 4.Green       | 1.Blk 2.Red 3.White 4.Green 5.Brown 6.Blue |
| Out Jacket        | Wall Thickness                    | 0.0150". Nom(0.38mm)              | 0.0150". Nom(0.38mm)              | 0.0150". Nom(0.38mm)                       |
|                   | OD                                | 0.157*±0.006" (4.00±0.15mm)       | 0.180*±0.006" (4.57±0.15mm)       | 0.246*±0.006" (6.25±0.15mm)                |
|                   |                                   |                                   |                                   |  |

## ■ 6C/(18AWG)

# SECURITY SOL Shielded CABLE PLENUM (UL)C(UL) ETL

## ■ 2C/(18AWG-14AWG)

| Code              | P7110142  | P7110145  | P7110147   | P7110149  |
|-------------------|---|---|--|---|
| Description       | 18AWG 2C SOL Shielded-Plenum  | 16AWG 2C SOL Shielded-Plenum  | 14AWG 2C SOL Shielded-Plenum   | 12AWG 2C SOL Shielded-Plenum  |
| Conductor Size    | 18AWG/ 0.040" / 1.02±0.008mm  | 16AWG/ 0.0508" / 1.29±0.008mm   | 14AWG/ 0.064" / 1.63±0.008mm   | 12AWG/ 0.081" / 2.05±0.008mm  |
| Dielectric Size   | 0.054±0.004"nom.<br>(1.37±0.10mm)   | 0.064±0.004"nom.<br>(1.63±0.10mm)   | 0.078±0.004"nom.<br>(1.98±0.10mm)  | 0.101±0.004"nom.(2.57±0.10mm)   |
| Dielectric Colors | 1.Blk 2.Red   | 1.Blk 2.Red   | 1.Blk 2.Red  | 1.Blk 2.Red   |
| Drain Wire        | 24 AWG 7/32<br>Stranded Tinned Copper   | 24 AWG 7/32<br>Stranded Tinned Copper   | 24 AWG 7/32<br>Stranded Tinned Copper  | 24 AWG 7/32<br>Stranded Tinned Copper   |
| Shielded          | Aluminum Mylar  | Aluminum Mylar  | Aluminum Mylar   | Aluminum Mylar  |
| Out Jacket        | Wall Thickness  | 0.0150". Nom(0.38mm)  | 0.0150". Nom(0.38mm)   | 0.0150". Nom(0.38mm)  |
|                   | OD  | 0.140"±0.006" (3.57±0.15mm)   | 0.175"±0.006" (4.45±0.15mm)  | 0.207"±0.006" (5.28±0.15mm)   |
|                   |  |  |  |  |

## ■ 4C/(22AWG-16AWG)





## ■ 6C(18AWG)

| Code              | P7110141  | P7110143  | P7110146   | P7110144  |
|-------------------|---|---|--|---|
| Description       | 22AWG 4C SOL Shielded-Plenum  | 18AWG 4C SOL Shielded-Plenum  | 16AWG 4C SOL Shielded-Plenum   | 18AWG 6C SOL Shielded-Plenum  |
| Conductor Size    | 22AWG/ 0.025" / 0.64±0.008mm  | 18AWG/ 0.040" / 1.02±0.008mm  | 16AWG/ 0.0508" / 1.29±0.008mm  | 18AWG/ 0.040" / 1.02±0.008mm  |
| Dielectric Size   | 0.038±0.004"nom.<br>(0.97±0.10mm)   | 0.054±0.004"nom.<br>(1.37±0.10mm)   | 0.064±0.004"nom.<br>(1.63±0.10mm)  | 0.054±0.004"nom.(1.37±0.10mm)   |
| Dielectric Colors | 1.Blk 2.Red 3.White 4. Green  | 1.Blk 2.Red 3.White 4. Green  | 1.Blk 2.Red 3.White 4. Green   | 1.Blk 2.Red 3.White 4. Green 5. Brown 6. Blue   |
| Drain Wire        | 24 AWG 7/32<br>Stranded Tinned Copper   | 24 AWG 7/32<br>Stranded Tinned Copper   | 24 AWG 7/32<br>Stranded Tinned Copper  | 24 AWG 7/32<br>Stranded Tinned Copper   |
| Shielded          | Aluminum Mylar  | Aluminum Mylar  | Aluminum Mylar   | Aluminum Mylar  |
| Out Jacket        | Wall Thickness  | 0.0150". Nom(0.38mm)  | 0.0150". Nom(0.38mm)   | 0.0150". Nom(0.38mm)  |
|                   | OD  | 0.125"±0.006" (3.20±0.15mm)   | 0.168"±0.006" (4.27±0.15mm)  | 0.201"±0.006" (5.13±0.15mm)   |
|                   |  |  |  |  |

# SECURITY STR Unshielded CABLE PLENUM (UL)C(UL) ETL





## ■ 2C/(18AWG-14AWG)

## ■ 4C/(18AWG)





| Code              | P7110241  | P7110244  | P7110246   | P7110242  |
|-------------------|---|---|--|---|
| Description       | 18AWG 2C STR Unshielded-Plenum  | 16AWG 2C STR Unshielded-Plenum  | 14AWG 2C STR Unshielded-Plenum   | 18AWG 4C STR Unshielded-Plenum  |
| Conductor Size    | 18AWG/ 7x0.0152" / 7x0.386mm  | 16AWG/ 19x0.0113" / 19x0.287mm  | 14AWG/ 19x0.0141" / 19x0.36mm  | 18AWG/ 7x0.0152" / 7x0.386mm  |
| Dielectric Size   | 0.060±0.004"nom. (1.52±0.10mm)  | 0.071±0.004"nom. (1.80±0.10mm)  | 0.086±0.004"nom. (2.20±0.10mm)   | 0.060±0.004"nom.(1.52±0.10mm)   |
| Dielectric Colors | 1.Blk 2.Red   | 1.Blk 2.Red   | 1.Blk 2.Red 3.White 4. Green   | 1.Blk 2.Red 3.White 4. Green  |
| Out Jacket        | Wall Thickness  | 0.0150". Nom(0.38mm)  | 0.0150". Nom(0.38mm)   | 0.0150". Nom(0.38mm)  |
|                   | OD  | 0.153"±0.006" (3.90±0.15mm)   | 0.173"±0.006" (4.40±0.15mm)  | 0.209"±0.006" 5.30±0.15mm)  |
|                   |  |  |  |  |

# SECURITY STR Shielded CABLE PLENUM (UL)C(UL) ETL

## ■ 2C/(18AWG-12AWG)

| Code              | P7110342  | P7110345  | P7110347   | P7110349  |
|-------------------|---|---|--|---|
| Description       | 18AWG 2C STR Shielded-Plenum  | 16AWG 2C STR Shielded-Plenum  | 14AWG 2C STR Shielded-Plenum   | 12AWG 2C STR Shielded-Plenum  |
| Conductor Size    | 18AWG/ 7x0.0152" / 7x0.386mm  | 16AWG/ 19x0.0113" / 19x0.287mm  | 14AWG/ 19x0.0141" / 19x0.36mm  | 12AWG/ 19x0.0179" / 19x0.455mm  |
| Dielectric Size   | 0.060±0.004"nom. (1.52±0.10mm)  | 0.071±0.004"nom. (1.80±0.10mm)  | 0.086±0.004"nom. (2.20±0.10mm)   | 0.108±0.004"nom.(2.87±0.10mm)   |
| Dielectric Colors | 1.Blk 2.Red   | 1.Blk 2.Red   | 1.Blk 2.Red  | 1.Blk 2.Red   |
| Drain Wire        | 24 AWG 7/32<br>Stranded Tinned Copper   | 24 AWG 7/32<br>Stranded Tinned Copper   | 24 AWG 7/32<br>Stranded Tinned Copper  | 24 AWG 7/32<br>Stranded Tinned Copper   |
| Shielded          | Aluminum Mylar  | Aluminum Mylar  | Aluminum Mylar   | Aluminum Mylar  |
| Out Jacket        | Wall Thickness  | 0.0150". Nom(0.38mm)  | 0.0150". Nom(0.38mm)   | 0.0150". Nom(0.38mm)  |
|                   | OD  | 0.156"±0.006" (3.97±0.15mm)   | 0.191"±0.006" (4.85±0.15mm)  | 0.234"±0.006" (6.62±0.15mm)   |
|                   |  |  |  |  |

## ■ 4C/(18AWG-14AWG)

| Code              | P7110343  | P7110346  | P7110348   | P7110344  |
|-------------------|---|---|--|---|
| Description       | 18AWG 4C STR Shielded-Plenum  | 16AWG 4C STR Shielded-Plenum  | 14AWG 4C STR Shielded-Plenum   | 18AWG 6C STR Shielded-Plenum  |
| Conductor Size    | 18AWG/ 7x0.0152" / 7x0.386mm  | 16AWG/ 19x0.0113" / 19x0.287mm  | 14AWG/ 19x0.0141" / 19x0.36mm  | 18AWG/ 7x0.0152" / 7x0.386mm  |
| Dielectric Size   | 0.060±0.004"nom. (1.52±0.10mm)  | 0.071±0.004"nom. (1.80±0.10mm)  | 0.086±0.004"nom. (2.20±0.10mm)   | 0.060±0.004"nom.(1.52±0.10mm)   |
| Dielectric Colors | 1.Blk 2.Red 3.White 4.Green   | 1.Blk 2.Red 3.White 4.Green   | 1.Blk 2.Red 3.White 4.Green  | 1.Blk 2.Red 3.White<br>4.Green 5.Brown 6.Blue   |
| Drain Wire        | 24 AWG 7/32<br>Stranded Tinned Copper   | 24 AWG 7/32<br>Stranded Tinned Copper   | 24 AWG 7/32<br>Stranded Tinned Copper  | 24 AWG 7/32<br>Stranded Tinned Copper   |
| Shielded          | Aluminum Mylar  | Aluminum Mylar  | Aluminum Mylar   | Aluminum Mylar  |
| Out Jacket        | Wall Thickness  | 0.0150". Nom(0.38mm)  | 0.0150". Nom(0.38mm)   | 0.0150". Nom(0.38mm)  |
|                   | OD  | 0.184"±0.006" (4.67±0.15mm)   | 0.218"±0.006" (5.53±0.15mm)  | 0.285"±0.006" (7.26±0.15mm)   |
|                   |  |  |  |  |

## ■ 6C/(18AWG)

# ACCESS CONTROL CABLE PLENUM (UL)C(UL) ETL



## Certificates | Construction

|                               |   |
|-------------------------------|---|
| UL CL2P/CL3P Certificate No.  | ■ E541137   |
| Standards                     | ■ UL 13 Power-Limited Circuit Cables  |
| ETL CL2P CL3P Certificate No. | ■ 5030206   |
| Standards                     | ■ Power-Limited Circuit Cables [UL 13:2015 Ed.4+R:18Mar2022]  |
| UL CMP Certificate No.        | ■ E541136   |
| Standards                     | ■ UL 444 & CSA C22.2 No.214 Communications Cables   |
| ETL CMP Certificate No.       | ■ 5030207   |
| Standards                     | ■ Communications Cables [UL 444:2017 Ed.5+R:16Jun2021]<br>■ Communications Cables (R2021) [CSA C22.2#214:2017 Ed.8+U1;U2] |

## Jacket Plenum

### ■ Unshielded

### ■ Shielded

| Code                | 7111557  |                        |                     |                         | 7111558  |                        |                     |                         |
|---------------------|--|------------------------|---------------------|-------------------------|--|------------------------|---------------------|-------------------------|
| Description         | 4C×18AWG+3P×22AWG Shielded+2C×22AWG+4C×22AWG<br>Access Control unshielded Cable all in one Jacket-Plenum |                        |                     |                         | 4C×18AWG+3P×22AWG Shielded+2C×22AWG+4C×22AWG<br>Access Control shielded Cable all in one Jacket-Plenum |                        |                     |                         |
| <b>Construction</b> | <b>Door Strike</b>   | <b>Card Reader</b>     | <b>Door Contact</b> | <b>Request for Exit</b> | <b>Door Strike</b>   | <b>Card Reader</b>     | <b>Door Contact</b> | <b>Request for Exit</b> |
| Abbreviation        | DRSTK  | CDRD                   | CNT                 | REX                     | DRSTK  | CDRD                   | CNT                 | REX                     |
| Jacket Color        | ORANGE   | WHITE                  | BLUE                | GREEN                   | ORANGE   | WHITE                  | BLUE                | GREEN                   |
| Indiv. Jacket Part  | 7111517  | 7111518                | 7111519             | 7111520                 | 7111521  | 7111522                | 7111523             | 7111524                 |
| Indiv. Jacket Dia.  | 0.178*(4.50mm) nom   | 0.200*(5.08mm) nom     | 0.120*(3.04mm) nom  | 0.140*(3.55mm) nom      | 0.178*(4.50mm) nom   | 0.200*(5.08mm) nom     | 0.120*(3.04mm) nom  | 0.140*(3.55mm) nom      |
| Conductor           | 18AWG 7/26 STR BC  | 22AWG 7/30 STR BC      | 22AWG 7/30 STR BC   | 22AWG 7/30 STR BC       | 18AWG 7/26 STR BC  | 22AWG 7/30 STR BC      | 22AWG 7/30 STR BC   | 22AWG 7/30 STR BC       |
| Construction        | 4/C  | 3P                     | 2/C                 | 4/C                     | 4/C  | 3P                     | 2/C                 | 4/C                     |
| Insulation          | PVC-Plenum   | PVC-Plenum             | PVC-Plenum          | PVC-Plenum              | PVC-Plenum   | PVC-Plenum             | PVC-Plenum          | PVC-Plenum              |
| Insulation Diameter | 0.060*(1.53mm) nom.  | 0.043*(1.09mm) nom.    | 0.043*(1.09mm) nom. | 0.043*(1.09mm) nom.     | 0.060*(1.53mm) nom.  | 0.042*(1.06mm) nom.    | 0.044*(1.11mm) nom. | 0.044*(1.11mm) nom.     |
| Insulation Colors   | Blk, Red, Wht, Gm  | Blk,Red,Ylw, Gm,Bm,Blu | Blk, Red            | Blk, Red, Wht, Gm       | Blk, Red, Wht, Gm  | Blk,Red,Ylw, Gm,Bm,Blu | Blk, Red            | Blk, Red, Wht, Gm       |
| Shield              | none   | 0.001*Al/Mylar         | none                | none                    | 0.001* Al/Mylar  | 0.001* Al/Mylar        | 0.001* Al/Mylar     | 0.001* Al/Mylar         |
| Drain Wire          | none   | 22AWG 7/30 TC          | none                | none                    | 24AWG 7/30 TC  | 24AWG 7/30 TC          | 24AWG 7/30 TC       | 24AWG 7/30 TC           |
| Overall Diameter    | 0.350*(8.89mm) nom   |                        |                     |                         | 0.40*(10.16mm) nom   |                        |                     |                         |
| Overall Jacket      | PVC-Plenum   |                        |                     |                         | PVC-Plenum   |                        |                     |                         |
|                     |  |                        |                     |                         |  |                        |                     |                         |

# LUTRON CABLES PLENUM (UL)C(UL) ETL



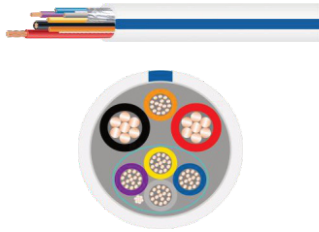
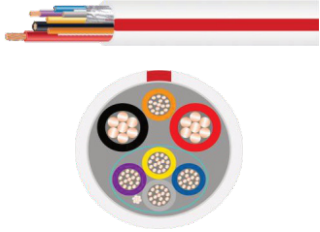
## Certificates | Construction

|                                  |   |
|----------------------------------|---|
| UL CL2P/CL3P Certificate No.     | ■ E541137   |
| Standards                        | ■ UL 13 Power-Limited Circuit Cables  |
| ETL CL2P CL3P Certificate No.    | ■ 5030206   |
| Standards                        | ■ Power-Limited Circuit Cables [UL 13:2015 Ed.4+R:18Mar2022]  |
| UL CMP Certificate No.           | ■ E541136   |
| Standards                        | ■ UL 444 & CSA C22.2 No.214 Communications Cables   |
| ETL CMP Certificate No.          | ■ 5030207   |
| Standards                        | ■ Communications Cables [UL 444:2017 Ed.5+R:16Jun2021]<br>■ Communications Cables (R2021) [CSA C22.2#214:2017 Ed.8+U1;U2] |
| <b>Element 1 (Data)</b>          | <b>Shielded:</b> 22AWG / 18AWG 2Cores   |
| Conductor Material               | Solid Bare Copper   |
| Dielectric Material              | Foam FEP  |
| <b>Element 2 (Power/Control)</b> | <b>Unshielded:</b> 18AWG / 16AWG / 12AWG 2Cores <b>Shielded:</b> 16AWG / 12AWG 2Cores                                     |
| Conductor Material               | Stranded Bare Copper  |
| Dielectric Material              | Plenum PVC-Low Smoke  |
| <b>Element 3 (Control)</b>       | <b>Unshielded:</b> 18AWG 1Core  |
| <b>Rip Cord</b>                  | Yes   |
| <b>Out Jacket</b>                | Plenum PVC - Low Smoke  |

## ■ LUT Cable Plenum

| Code                             | 7111701                                 | 7111702                                 | 7111751                                 | 7111752                                 |
|----------------------------------|---|---|---|---|
| Assembly                         | <b>22/2C SH+18/2C (Green Stripe)</b>    | <b>22/2C SH+18/2C (Yellow Stripe)</b>   | <b>22/2C SH+16/2C (Purple Stripe)</b>   | <b>22/2C SH+12/2C (Brown Stripe)</b>    |
| Description                      | LUT Green Cable -Plenum                 | LUT Yellow Cable -Plenum                | LUT QSHS Cable -Plenum                  | LUT QSHL Cable -Plenum                  |
| <b>Element 1 (Data)</b>          | 22AWG 2Cores Shielded                   | 22AWG 2Cores Shielded                   | 22AWG 2Cores Shielded                   | 22AWG 2Cores Shielded                   |
| Conductor Size                   | 22AWG/ 7x0.010" / 7x0.254mm             | 22AWG/ 7x0.010" / 7x0.254mm             | 22AWG/ 7x0.010" / 7x0.254mm             | 22AWG/ 7x0.010" / 7x0.254mm             |
| Dielectric Size                  | 0.052±0.004"nom. (1.32±0.10mm)          | 0.052±0.004"nom. (1.32±0.10mm)          | 0.052±0.004"nom. (1.32±0.10mm)          | 0.052±0.004"nom.(1.32±0.10mm)           |
| Dielectric Colors                | 1.Violet 2.White                        | 1.Violet 2.White                        | 1.Violet 2.White                        | 1.Violet 2.White                        |
| Drain Wire                       | 24AWG/7x0.2mm<br>Stranded Tinned Copper | 24AWG/7x0.2mm<br>Stranded Tinned Copper | 24AWG/7x0.2mm<br>Stranded Tinned Copper | 24AWG/7x0.2mm<br>Stranded Tinned Copper |
| Shield                           | Aluminum Malar Foil<br>-100% Coverage   | Aluminum Malar Foil<br>-100% Coverage   | Aluminum Malar Foil<br>-100% Coverage   | Aluminum Malar Foil<br>-100% Coverage   |
| <b>Element 2 (Power/Control)</b> | 18AWG 2Cores Unshielded                 | 18AWG 2Cores Unshielded                 | 16AWG 2Cores Unshielded                 | 12AWG 2Cores Unshielded                 |
| Conductor Size                   | 18AWG/16x0.010"/16x0.254mm              | 18AWG/16x0.010"/16x0.254mm              | 16AWG/19x0.0113"/19x0.287mm             | 12AWG/19x0.0179"/19x0.455mm             |
| Dielectric Size                  | 0.061±0.004"nom.<br>(1.56±0.10mm)       | 0.061±0.004"nom.<br>(1.56±0.10mm)       | 0.087±0.004"nom.<br>(2.20±0.10mm)       | 0.095±0.004"nom.(2.88±0.10mm)           |
| Dielectric Colors                | 1.Red 2.Black                           | 1.Red 2.Black                           | 1.Red 2.Black                           | 1.Red 2.Black                           |
| Out Jacket                       | Color                                   | White(or Light Blue)/Green Stripe       | White(or Light Blue)/Yellow Stripe      | White(or Light Blue)/Purple Stripe      |
|                                  | Wall Thickness                          | 0.0170". Nom(0.43mm)                    | 0.0170". Nom(0.43mm)                    | 0.0170". Nom(0.43mm)                    |
|                                  | OD                                      | 0.213"±0.006" (5.41±0.15mm)             | 0.213"±0.006" (5.41±0.15mm)             | 0.239"±0.006" (6.08±0.15mm)             |
|                                  |   |   |   |   |

## ■ LUT Cable Plenum

| Code                             |                | 7111703   | 7111704  |
|----------------------------------|----------------|---|--|
| Assembly                         |                | <b>22/2C SH+12/2C+18G (Blue Stripe)</b>   | <b>18/4C SH+16/2C+18G (Red Stripe)</b>   |
| Description                      |                | LUT Blue Cable -Plenum  | LUT Red Cable -Plenum  |
| <b>Element 1 (Data)</b>          |                | 22AWG 2Cores Shielded   | 18AWG 4Cores Shielded  |
| Conductor Size                   |                | 22AWG/ 7×0.010" / 7×0.254mm   | 18AWG/16×0.001"/16×0.254mm   |
| Dielectric Size                  |                | 0.052±0.004"nom.(1.32±0.10mm)   | 0.075±0.004"nom.(1.90±0.10mm)  |
| Dielectric Colors                |                | 1.Violet 2.White  | 1.Violet 2.Yellow 3.Gray 4.Blue  |
| Drain Wire                       |                | 24AWG/7×0.2mm Stranded Tinned Copper  | 24AWG/7×0.2mm Stranded Tinned Copper   |
| Shield                           |                | Aluminum Malar Foil-100% Coverage   | Aluminum Malar Foil-100% Coverage  |
| <b>Element 2 (Power/Control)</b> |                | 12AWG 2Cores Unshielded   | 16AWG 2Cores Unshielded  |
| Conductor Size                   |                | 12AWG/19×0.0179"/19×0.455mm   | 16AWG/7×0.201"/7×0.511mm   |
| Dielectric Size                  |                | 0.095±0.004"nom.(2.88±0.10mm)   | 0.087±0.004"nom.(2.20±0.10mm)  |
| Dielectric Colors                |                | 1.Red 2.Black   | 1.Red 2.Black  |
| <b>Element 3 (Control)</b>       |                | 18AWG 1Core Unshielded  | 18AWG 1Core Unshielded   |
| Conductor Size                   |                | 18AWG/16×0.001"/16×0.254mm  | 18AWG/16×0.001"/16×0.254mm   |
| Dielectric Size                  |                | 0.061±0.004"nom.(1.56±0.10mm)   | 0.061±0.004"nom.(1.56±0.10mm)  |
| Dielectric Colors                |                | Orange  | Orange/Green Stripe  |
| Out Jacket                       | Color          | White/Blue Stripe   | White(Or Light Blue)/Red stripe  |
|                                  | Wall Thickness | 0.0170". Nom(0.43mm)  | 0.030". Nom(0.75mm)  |
|                                  | OD             | 0.242"±0.006" (6.15±0.15mm)   | 0.341"±0.006" (8.65±0.15mm)  |
|                                  |                |  |  |

 GLOBAL MARKET

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