1.0 APPLICATION
1.1 This specification covers the requirements for home run style Access Control Systems where devices are wired from the head end to the device. Products are used for Reader, Request to Exit, Motion Detector, Communications and Mag Lock Power as well as various possible system options. These cables are often used with Kantech, Northern, HID, ADT, Honeywell, Software House, and other systems.

2.0 SCOPE
2.1 This cable is a composite construction of 6 conductors 18 AWG stranded bare copper conductor insulated with color coded FPR, shielded with a drain wire and an FPR jacket; 4 conductors 18 AWG stranded bare copper conductor insulated with color coded FPR, shielded with a drain wire and an FPR jacket; 2 conductors 16 AWG stranded bare copper conductor insulated with color coded FPR, shielded with a drain wire and an FPR jacket; 4 conductors 22 AWG stranded bare copper conductor insulated with color coded FPR, shielded with a drain wire and an FPR jacket. To complete the construction, a yellow SGPVC jacket is applied overall. Type CMP, UL Standard 444, NEC Article 800, UL 910 Plenum.

3.0 CONSTRUCTION
3.1 Conductor:
3.1.1 Material: Bare Copper

3.2 Insulation:
3.2.1 Material: FPR
3.2.2 Color Code:
1-Black    4-Green
2-Red    5-Brown
3-White    6-Blue

3.3 Shield:
3.3.1 Material: Aluminum polyester Foil
3.3.2 Coverage: 100%

3.4 Drain Wire:
3.4.1 Material: Tinned Copper
3.4.2 Construction: Stranded

3.5 Individual Jackets:
3.5.1 Material: FPR
3.5.2 Color: White
3.5.3 Ripcord under jacket

3.6 Overall Jacket:
3.6.1 Material: SGPVC
3.6.2 Wall Thickness: .015”
3.6.3 O.D.: .451” nom.
3.6.4 Color: Yellow
3.6.5 Ripcord under jacket
3.6.6 Print: "PAIGE 454932AYW CARD ACCESS COMPOSITE CABLE TYPE CMP (UL) E191596

3.7 Conductor:
3.7.1 Temperature: -20°C to 75°C
3.7.2 Voltage: 300 Volt
3.7.3 Velocity of Propagation: 55%
<table>
<thead>
<tr>
<th>Paige Part #</th>
<th>CABLE #</th>
<th>AWG</th>
<th>COND</th>
<th>STRANDING</th>
<th>INSULATION WALL</th>
<th>WALL NOM. OD</th>
<th>PRINT</th>
<th>IMPEDANCE OHMS</th>
<th>CAPACITANCE pF/FT NOM.</th>
<th>RESISTANCE</th>
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<tbody>
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<td>2S18062B1</td>
<td>1</td>
<td>18</td>
<td>6</td>
<td>7 x 26</td>
<td>.009” .014” .208”</td>
<td>Paige 2S18062B1 – Reader Cable, 18/6 Shielded CMP (C)UL E191596</td>
<td>39</td>
<td>47.3</td>
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<tr>
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<td>4</td>
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<td>Paige 454645AWH – Rex/Motion, 18/4 Shielded CMP (C)UL E191596</td>
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<td>454907AWH</td>
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<td>Paige 454907AWH – Lock Power, 16/2 Shielded CMP (C)UL E191596</td>
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