

CABLE ASSEMBLIES FOR 5mm & 10mm LED LIGHTS



U.S. & Foreign Patents Issued and Pending

VERSATILITY

CONXRITE® cabling system simplifies display panel to power source interface. Options include: LED - 5mm, 10mm Hi-Flux. Color - mono, bi-color, tri-color, RGB. Wire - size, color, length. Wire termination - header/connector, positive locking, single, dual row. Terminals - ring or spade style.

BRIGHTNESS

CONXRITE® assemblies enhance LED apparent brightness as well as the viewing angle to 180°. Visible, infrared, and photo detection devices can be displayed in this manner. Illumination can range from 20 to 20,000mcd.

APPLICATION

CONXRITE® LED cable assemblies are used in consumer products, communications, industrial, automotive, heavy equipment, security systems, interior and exterior projects. Tested for temperature cycling, UV, solar, shock, vibration. Sealed version exceeds NEMA 4 for dust, water and ice. Also provides ESD circuit protection.

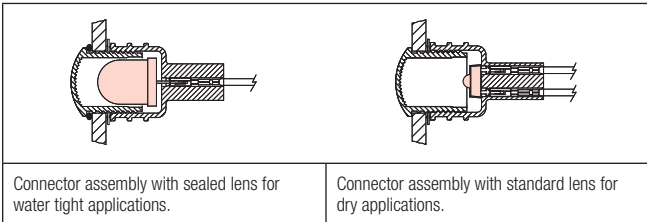
INSTALLATION

CONXRITE® assemblies "plug and play" approach simplifies cable installation. Slip lens through panel opening, slide lock washer over lens barrel, connector secures to lens with a half turn.

SPECIFICATIONS

MATERIAL	<ul style="list-style-type: none"> Lens - Polycarbonate, (UL Listed Material) Connector - Thermoplastic (white), U.L. 94 V0 Moisture seal - EPDM Lock washer - Steel, nickel plate Terminals - Phosphor bronze, tin plate Wire - U.L.1007/1569, 24 AWG stranded
ELECTRICAL	Terminal - 3 amp continuous service. Mates with round, square, rectangular leads .017" to .030".
MOUNTING	<p>CMC / HMC series lens for standard dry applications.</p> <p>CMS / HMS series lens for dust and wet conditions.</p> <p>CMC 441 / CMS 442 lens mount through a 5/16" (8mm) opening on 1/2" centers. Panel thickness 1/32" to 1/8".</p> <p>HMC 461 and HMS 462 lens mount through 9/16" (14mm) opening on 3/4" centers. Panel thickness 1/32" to 3/16".</p> <p>Wire termination - VCC 450 series single or dual row positive locking header connectors, stripped leads. Contact factory for other termination options.</p>
TEST DATA	Assembly tested for Shock/vibration - 6g's at 2000hz, Temperature - 40° to + 105°C, Solar and UV. Meets NEMA 4, for water, ice and dust. Test conducted by Consolidated Laboratories Inc.
LEDs	<p>5mm LEDs bi-lead, trim leads to .250" ± .010" (6.35mm).</p> <p>10mm LEDs bi-lead, trim leads to .300" ± .010" (7.62mm).</p> <p>Hi-flux LEDs 4 leads trimming not required.</p> <p>Contact factory for additional wire and LED options. Tri-lead and six lead devices.</p>

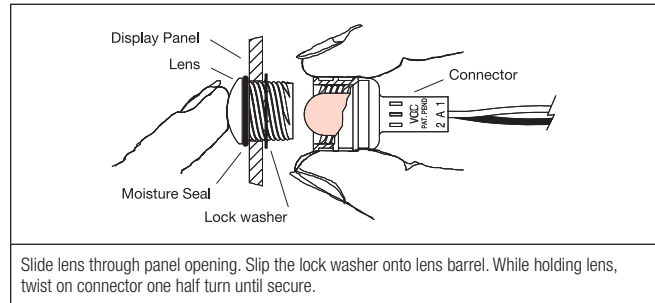
LENS AND CONNECTOR ASSEMBLIES



Connector assembly with sealed lens for water tight applications.

Connector assembly with standard lens for dry applications.

EASY THREE STEP PANEL ASSEMBLY



Slide lens through panel opening. Slip the lock washer onto lens barrel. While holding lens, twist on connector one half turn until secure.

OUTLINE DRAWING

RECOMMENDED LEDs

<p>CMC 441 / CMS 442 LENS ASSEMBLY</p>	<p>LOCK WASHER</p>	<p>CNX 440 CONNECTOR ASSEMBLY</p>	<p>RECOMMENDED LEDs</p>
<p>HMC 461 / HMS 462 LENS ASSEMBLY</p>	<p>LOCK WASHER</p>	<p>CNX 460 CONNECTOR ASSEMBLY</p>	<p>RECOMMENDED LEDs</p>