



LexaSeal Cable



Performance & Reliability

Watertight Reliability

Unique design ensures total moisture sealing. Submersible to 30 meters (IP68)

Robust Design

Special manufacturing processes improve cable/connector reliability for rugged field use

Durable Materials

Flexible TPU and glass-filled TPU connector material with TPU cable jacket

Design & Protection



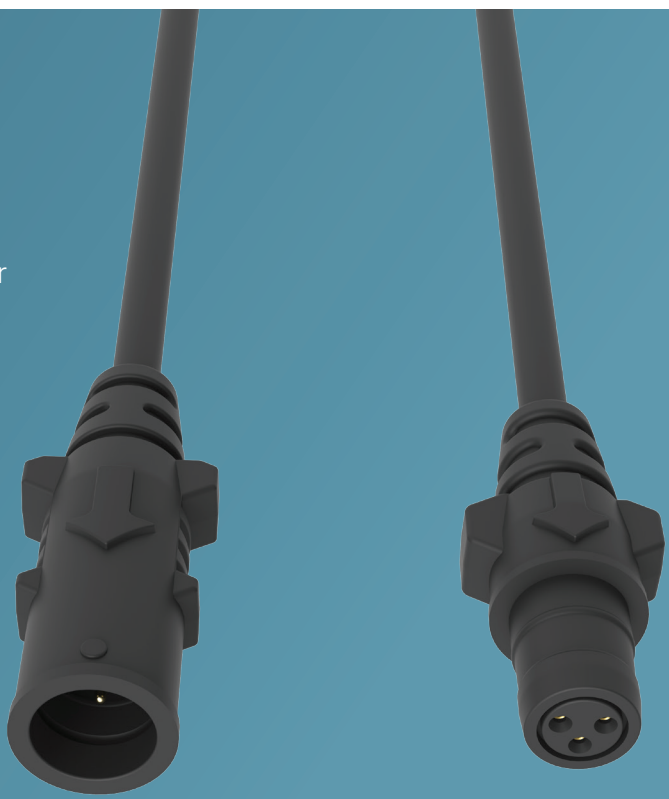
Strain Relief
Post-molded strain relief from cable to connector



Fully Bonded
Internal/external fully bonded connector



UV Resistant
TPU jacket withstands outdoor UV exposure





Technical specifications

Parameters	Specifications
Connector Material	Flexible TPU and glass-filled TPU
Contact Material	Machined 22 AWG / 24AWG Copper Alloy
Contact Plating	5μ" gold over 50μ Ni
Insulator	Glass filled thermoplastic
Current Rating	7.5 amps / 5 amps
Voltage Rating	300 V AC/RMS 50Hz
Insulation Resistance	5000 MΩ at 500 VDC
Temperature Rating	-20°C to +80°C (Low temp cable flexibility)
Cable Jacket	TPU (UV Resistant)
Pressure Rating	Submersible to 30 meters (IP68)

"Waterproof and ruggedized cable suitable for harsh operating environments – delivering reliable signal and power transmission in moisture, oil, salt mist, dust, humidity, and high-temperature conditions. Built to withstand high pressure and low temperature extremes with easy assembly and connectivity."



Applications



Outdoor Lighting Equipment

For power and control signal transmission in street lights and landscape lighting. Protects against rain and humidity to ensure stable operation in harsh weather.



Industrial Automation Control

Used in automated production lines and industrial robots. Ensures reliable signal and power transmission in challenging environments (e.g., moisture, oil, dust), preventing connection failures and production interruptions.



New Energy Sector

Connects sensors and controllers in solar panels and wind power equipment. Adapts to outdoor high temperatures, humidity, and other harsh conditions.



Marine & Navigation Equipment

Provides waterproof connectivity for ship navigation and communication systems. Ensures reliable operation in salt mist and moist marine environments.



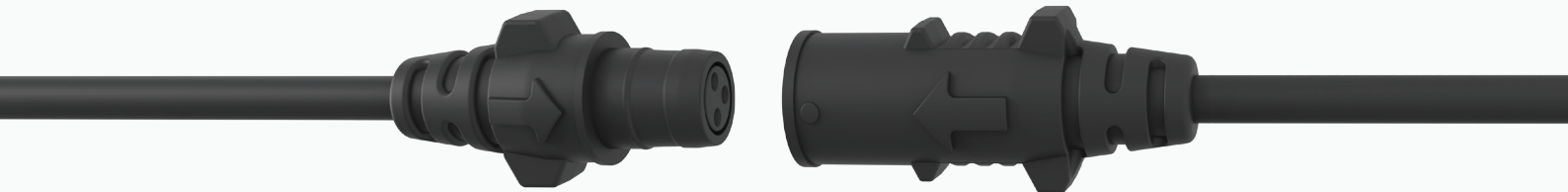
Agricultural Irrigation Systems

Links sensors and control devices to monitor and regulate irrigation. Suitable for outdoor humid conditions, improving operational efficiency.



Diving & Rescue Equipment

Used in underwater detectors and life support systems. Withstands extreme conditions like high pressure and low temperatures to ensure safety during underwater operations



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