SkyLadder® - Tethered Drone Cable

SkyLadder® Tethered Drone Cables are designed to withstand the harshest environments found in commercial and industrial environments and outperform standard cables for many reasons.

Because every gram of weight saved on a drone matters, we produce them with KEVLAR® Abrasion Resistant Cable Jacket to significantly reduce weight pick up.

Among other design considerations, our cables allow for more payload flexibility, increased height above ground level (AGL) during operation, and greater drone responsiveness. They also expand the line of sight or coverage and deliver the following benefits compared to other design options:

Thanks to our proven materials, SkyLadder® hybrid tethered drone cables provide continuous high-voltage power, secure signals, and unfailing data transmission over the lifetime of the drone. That's because we engineer them with high-strength, weather-proof components to withstand damage from the following:
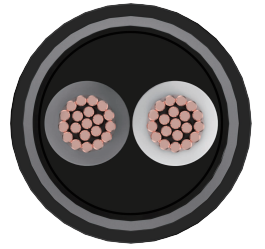
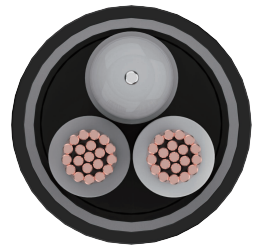|			
1.	Crushing & Abrasion	**5.**	Humidity, Rain & Snow
2.	Repeated Reeling	**6.**	Rough Terrain
3.	Fuel, Oils & Salt Water	**7.**	Lighter Weight For More Payload
4.	Fluctuating temperatures		

SKR001 Series

POWER PAIR

- 2X20 AWG
- 2X24 AWG

SKR002 Series

POWER PAIR + SM FIBER OPTIC

- 2X16 AWG + 1XSM Fiber Optic
- 2X20 AWG + 1XSM Fiber Optic
- 2X24 AWG + 1XSM Fiber Optic

SKR003 Series

POWER PAIR + DATA PAIR
 + SM FIBER OPTIC

- 2X16 AWG + 2X28 AWG
+ 1XSM Fiber Optic
- 2X20 AWG + 2X28 AWG +
1XSM Fiber Optic

Silver-plated Copper Conductor

Engineered Fluoropolymer Insulation

Optical Fibre

ePTFE Buffer

PEEK Jacket

Weather-proof Barrier

Braid FiberJacket