

UAV TETHERED DRONE CABLE

2*24AWG



01 | APPLICATION:

Tether drone cables are specially designed to withstand shattering, abrasion, repeated shaking, fluctuating temperature, humidity, rain, snow and hard terrain. It is widely used in video streaming, news, events, commercial photography, search/rescue, industrial/land inspection, telecommunications intelligence, surveillance and reconnaissance (ISR), electro-optical infrared (EO/IR) sensors, signals intelligence, and more.

02 | CONSTRUCTION:

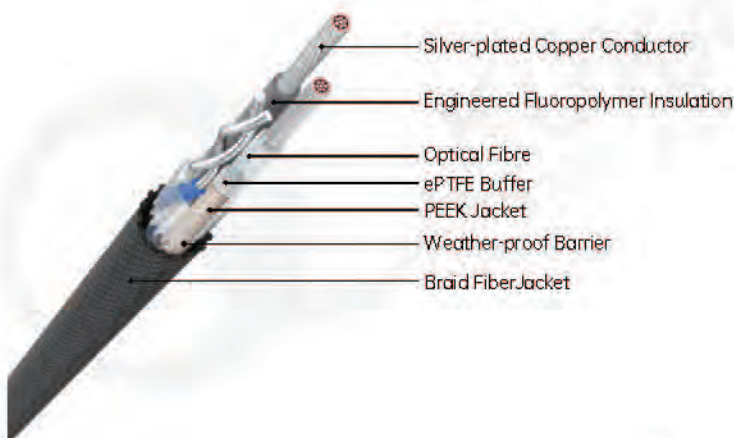
Conductor: Silver-plated Copper Conductor
Insulation: Engineered Fluoropolymer Insulation
Jacket: Braid FiberJacket

03 | CHARACTERISTICS:

Name: Tethered Drone Cables
Model: 24SM2E
Specification: 2x24AWG power cable
Operating Voltage: 1000vDC
Insulation Resistance: 1000MΩ
Tensile Strength: ≥1000N
Weight Stability: Fluid Immersion<3%, 24h Steady

Temperature Heat: 40C, 90-95%
Salt Atmosphere: 96h
Temperature Range: -60 to +200C
OD: 2.2mm
Weight: 8.9g/m
Minimum Bending Radius: 22mm

04 | Product Structure:



DIMENSIONS

| GORE PART NUMBER | CONSTRUCTION | NOMINIAL OUTER DIAMETER MM (IN) | MINIMUM BEND RADIUS MM(IN) | NOMINAL WEIGHT KG/KM (LBS/100 FT) | MAX CONDUCTOR DC RESISTANCE (OHMS/1000 FT) |
|------------------|--|------------------------------------|-------------------------------|---|---|
| KTD9164 | Power Pair: 16 AWG (19/29) Fiber: 1 Single Mode (900 micron) | 3.8 (.148) | 38(1.48) | 33.32(2.23) | 4.5 |
| KTD9166 | Power Pair: 20 AWG (19/32) Fiber: 1 Single Mode (900 micron) | 2.9(.17) | 29(7.17) | 17.89 (1.20) | 9.1 |
| KTD9168 | Power Pair: 24 AWG (19/36) Fiber: 1 Single Mode (900 micron) | 2.3(.092) | 23(0.92) | 10.29(0.69) | 23.6 |
| KTD9186 | Power Pair: 16 AWG (19/29) | 3.8(.148) | 38 (1.48) | 32.0(2.15) | 4.5 |
| KTD9188 | Power Pair: 20 AWG (19/32) | 2.9(.117) | 29(1.17) | 16.7(1.12) | 9.1 |
| KTD9190 | Power Pair: 24 AWG (19/36) | 2.2(.087) | 22(0.87) | 8.9(0.60) | 23.6 |
| KTD9217 | Power Pair: 16 AWG (19/29) Data Pair: 28 AWG (19/40) Fiber: 1 Single Mode (900 micron) | 3.8(.148) | 38(1.48) | 35.7(2.40) | 4.5 |
| KTD9218 | Power Pair: 20 AWG (19/32) Data Pair: 28 AWG (19/40) Fiber: 1 Single Mode (900 micron) | 3.2(.127) | 32(1.27) | 20.8 (1.40) | 9.1 |
| KTD9219 | Power Pair: 24 AWG (19/36) Data Pair: 28 AWG (19/40) Fiber: 1 Single Mode (900 micron) | 2.9(.117) | 29 (1.17) | 12.3(0.83) | 23.6 |
| KTD9175 | Power Pair: 16 AWG (19/29) Fiber: 2 Single Mode (900 micron) | 3.8(.148) | 38(1.48) | 32.7(2.20) | 4.5 |
| KTD9152 | Power Pair: 20 AWG (19/32) Fiber: 2 Single Mode (900 micron) | 3.0(.120) | 30(1.20) | 19.3(1.30) | 9.4 |