



# AEROSTAT CABLE

## Application

Aerostat Cable are used in both commercial and military markets for a variety of applications, such as, military ground defense surveillance, border security, renewable energy wind turbines and the broadcast entertainment industry.

We takes cable solutions to the next level with its tether cable for aerostats. Aerostat tether power cable is mainly used for mooring floating platform, which is the only connection between the floating platform and the ground equipment. The cable has the function of tether, electrical power transmission, lightning, transmitting antenna and so on, which plays vital role in the whole tether system. At the same time, the cable features large tensile strength up to 300kN, light weight. The single maximum length can reach 4000m. Moreover, the cable can be used repeated under high tension.

The structure of the tether power cable consists of multiple electrical conductors, aramid armored layer, lightning layer and PE outer jacket.

The multiple layer aramid ensures the high tensile strength, the lightning adopts tinned-cooper braiding to protect the cable from lightning strike. The materials of insulation and outer jacket both use PE to guarantee the cable light weight.

The aerostat tether power cable can be used in following situations:

- Tethered balloon floating transmission system
- Geophysical Surveillance
- Environment monitoring system

## OUR ADVANTAGES



### EASY SOLUTIONS

ADAPTABILITY IS ONE OF OUR BEST QUALITIES IT PERMIT US TO COPE WITH YOUR REQUEST ON A SHORT NOTICE AND EFFECTIVELY.



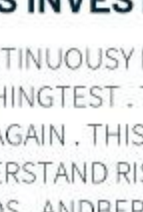
### NO PRICE FIGHTS

WE ESCAPED THE CLASSICAL REBATE UNTIL YOU DROP " POLICY . WE ARE PRICE WISE SINCE THE BEGINNING



### HIGH LEVEL EXPERIENCE

OUR TECHNICAL CAPABILITIES HAVE BEEN TESTED FOR MORE THAN 30 YEARS AND IN DIRECT CONNECTION WITH END USERS . SO TODAY



### ENDLESS INVESTIGATION

WE CONTINUOUSLY MEASURE EVERYTHING TEST . TEST AND TEST AGAIN . THIS HELPS UNDERSTAND RISKS AND REWARDS . AND BE PREPARED



### NO FORTUNE TELLER

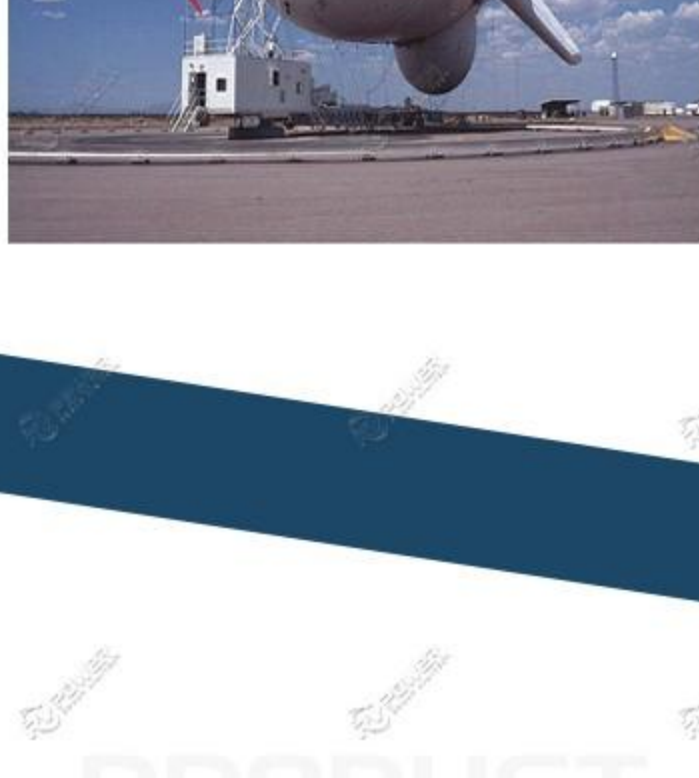
WE BASE OUR DECISIONS ON CLEAR BUSINESS PLANS , THINKING BEFORE MAKING OUR STEPS AND KEEPING A NOT TO DO LIST FOR EVERYONE OF THEM



### TEAM BUILDING

OUR TEAM IS MADE NOT ONLY BY OUR STAFF BUT IT INCLUDES ALSO ALL OUR CUSTOMERS WE ACT LIKE A TEAM WE GROW LIKE A TEAM WE WIN LIKE A TEAM

## AEROSTAT CABLE

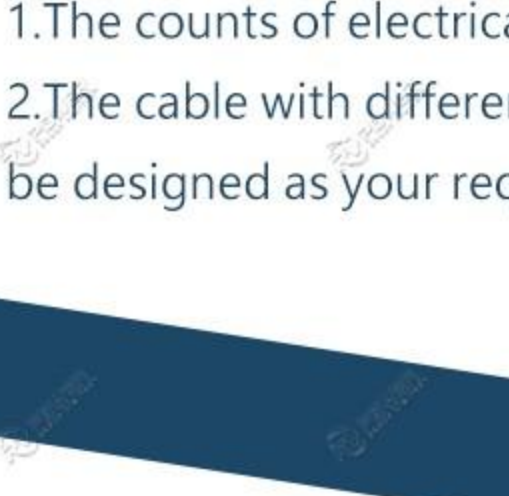


## PRODUCT STANDARD

The cable complies with relevant enterprise standard Q/YC20628-2006.



Cable Diameter : 6.8mm  
Max Cable Weight 3.8KG/100M  
Nom Bending Diameter : 150mm  
Max Tensile Strength Operation : 2500N  
Operating Temperature Rate : -20°C +60°C  
Min Breaking Strength 7500N  
Operational Length 300M Max



Cable Diameter : 8.5mm  
Max Cable Weight 3.8KG/100M  
Nom Bending Diameter : 150mm  
Max Tensile Strength Operation : 2500N  
Operating Temperature Rate : -20°C +60°C  
Min Breaking Strength 7500N  
Operational Length 300M Max

### Note:

- 1.The counts of electrical conductors can be customized.
- 2.The cable with different tensile strengths and rated power can be designed as your request.

## DETAIL DISPLAY



### ONE

#### LONG DISTANCE DATA TRANSMISSION

Conductors: Stranded Pure/tin copper conductors for flexibility and corrosion resistance. Light weight, low dielectric co-polymer insulation with great mechanical and moisture resistance.



### TWO

#### RESILIENT, FLEXIBLE AND NEUTRALLY BOUYANT ONE SINGLE LONG CONTINUOUS LENGTH REQUIRED

Custom ROV cables using tried and proven components for power, video, data, etc., which are available for your design, providing shorter lead times.



### THREE

#### WATER BLOCKED CABLE

Water block flooding compounds offered to each specific design are light wgt and fully encapsulating, design for extreme ocean depths and pressures, salt and oil resistant elastomeric and thermosetting



### FOUR

#### HIGH BREAKING STRENGTH

Strength Layer: Light weight Kevlar fibers are designed into each cable construction to meet specific ROV intended use for maximum strength and longevity.



### FIVE

#### SMALL SIZED. LIGHT . PRESSURE RESISTANT . ABRASION/ EROSION RESISTANT

Jacket Materials are chosen for optimal bonding, moisture and mechanical resistance. Each ROV cable is uniquely designed for specific ROV types using PE, TPE, PUR, and foam variations for flotation.



OIL RESISTANT



FLAKE RESISTANT



HALOGEN FREE



COLD RESISTANT



ABRASION RESISTANT



OZONE RESISTANT



UV RESISTANT



MICROBE RESISTANT



MUD RESISTANT



WATER RESISTANT