DIVER COMMUNICATION CABLE

TETHERS & UMBILICALS FOR REMOTELY OPERATED VEHICLES (ROVS)

Application Diver communication cable designs for use with various underwater communications systems.	Features Solid extruded inner bedding or flexible waterblock interstices for resistance to water, entrusion and radial compression. Ratings :-40C to 80C, 300/500V-0.6/1KV

Cable Properties	Conductors:Stranded copper / Tinned Cooper
	Insulation: PE Insulation
	Strength Layer: Kevlar layer for flexibility and higher strengths
	Jackets: premium grade polyurethane.
	Wire Coding: Pairs: Blue & Black with numbered marker tapes

OUR ADVANTAGES

EASY SOLUTIONS

ADAPTABILITY IS ONE OF OUR BEST QUALITESIT PERMIT US TO COPE WITH YOUR REQUESTON A SHORT NOTICE AND EFFEC TIVELY.

NO PRICE FIGHTS

WE ESCAPED THE OLASSICAL REBATE UNTILYOU DROP " POLICY . WE ARE PRICE WISE SINCETHE BEGINNING

HIGH LEVEL EXPERIENCE

QUR TECHNLAL CAPABILITIES HAVE BEENTESTED FOR MORE THAN 30 YEARS ANDINDRECT CONNECTION WITH END USERS . SO TOSAY

ENDLESS INVESTIGATION

WE CONTINUOUSLY MEASURE EVERYTHINGTEST . TEST AND TESTAGAIN . THIS HELPS NUNDERSTAND RISKS AND REWARDS . ANDBEPREPARED

NO FORTUNE TELLER

WE BASE OUR DECISIONS ON CLEAR BUSIESSPLANS , THINKING BEFORE MAKING OUR STEPSAND KEEPINGA'NOTTODO LISTFOR EVERYOVE OF THEM

TEAM BUILDING

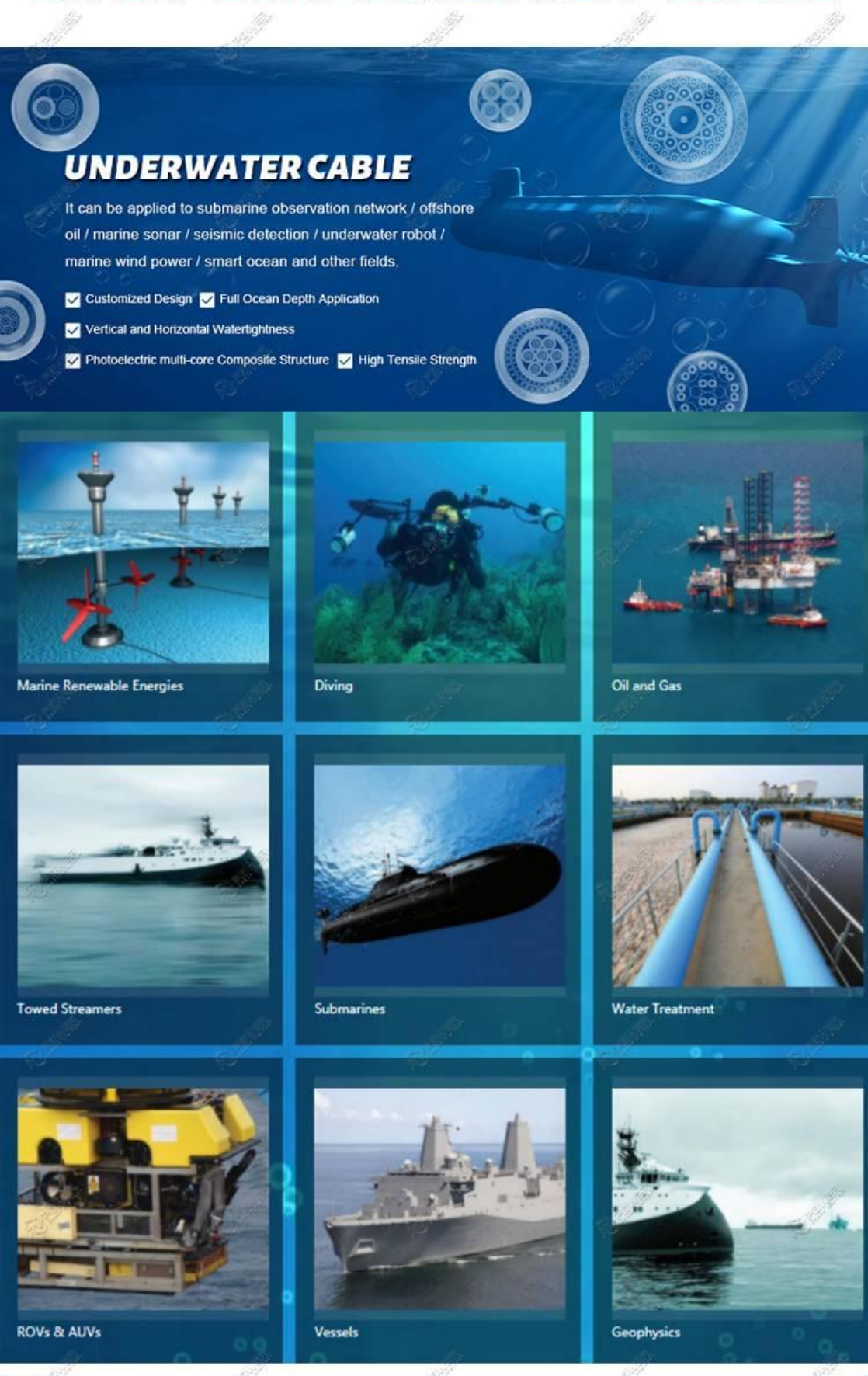
OUR TEAMIS MADE NOT ONLY BY OUR STAFFBUTIT INCLUDES ALSO ALL OUR CUSTOMERSWEACT LIKEA TEAM WEGROW LKEA TEAMWE WINLIKE A TEAM

DIVER COMMUNICATION CABLE

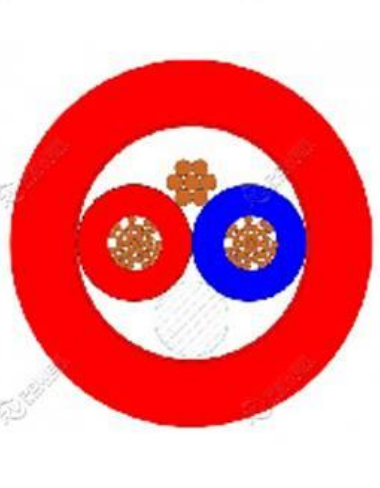
UNDERWATER CABLE

It can be applied to submarine observation network / offshore oil / marine sonar / seismic detection / underwater robot / marine wind power / smart ocean and other fields.

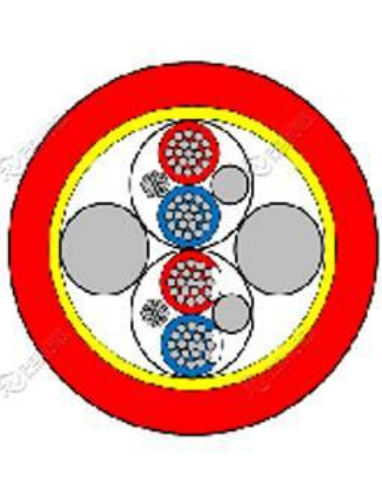
- ☑ Customized Design ☑ Full Ocean Depth Application
- ☑ Vertical and Horizontal Watertightness
- ☑ Photoelectric multi-core Composite Structure ☑ High Tensile Strength



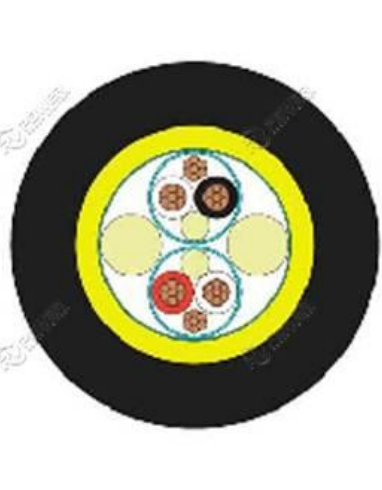
PRODUCT MIX



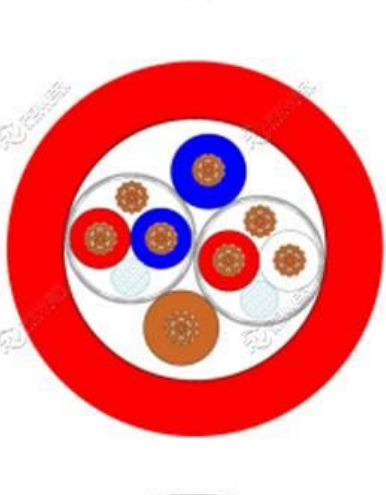
Communication /Diver monitoring cable
1 screened pairs
RED polyurethane outer sheath
Overall diameter: 6.7mm ±1.0mm
--9.0mm ±1.0mm



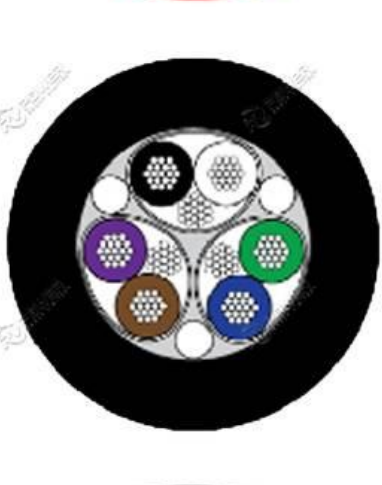
Communication / Diver monitoring cable
2 screened pairs
Polyester strength braid
RED polyurethane outer sheath
Overall diameter: 11.0mm ±1.0mm



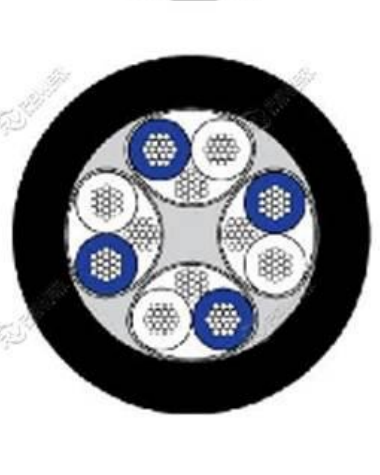
Communication / Diver monitoring cable
2 screened pairs
Strength : Kevlar reinforced 4.5KN
PE Insulation
PUR Sheath Overall diameter:
7.6mm ±0.5mm



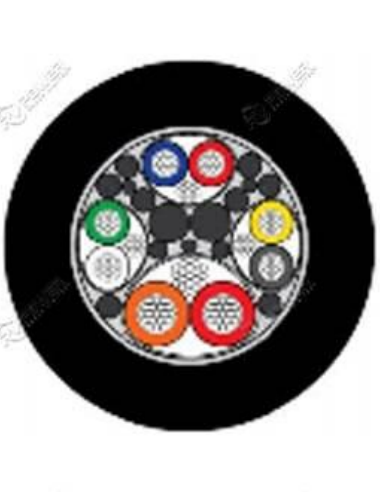
Communication / Diver monitoring cable
1 screened pairs
RED polyurethane outer sheath
Overall diameter: 6.7mm ±1.0mm



Communication / Diver monitoring cable
3 screened pairs
Polyester Black polyurethane outer sheath
Overall diameter: 11.0mm ±1.0mm

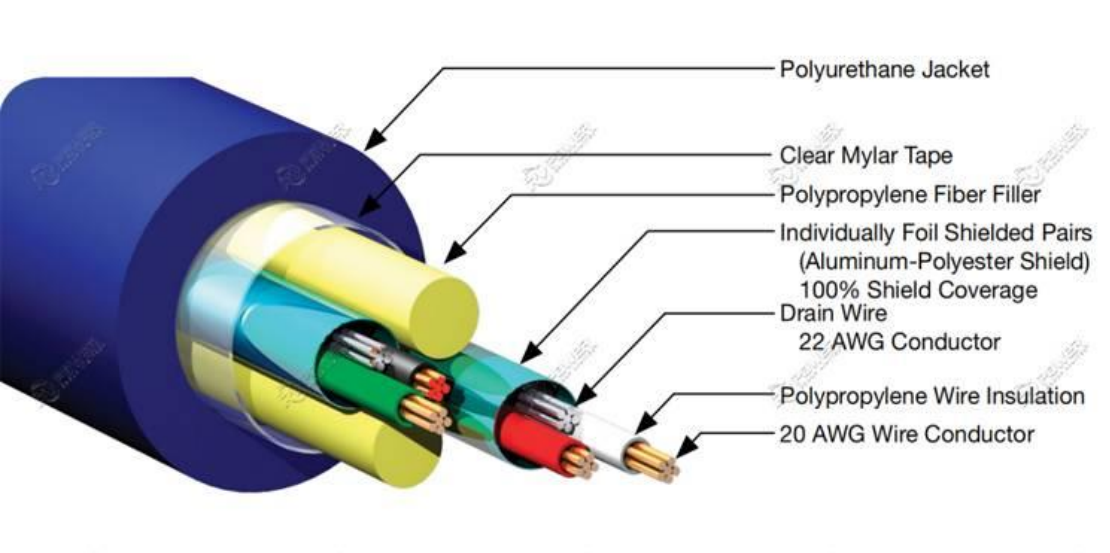


Communication /Diver monitoring cable
4 screened pairs
Polyester Black polyurethane outer sheath
Overall diameter: 12.70mm ±1.0mm

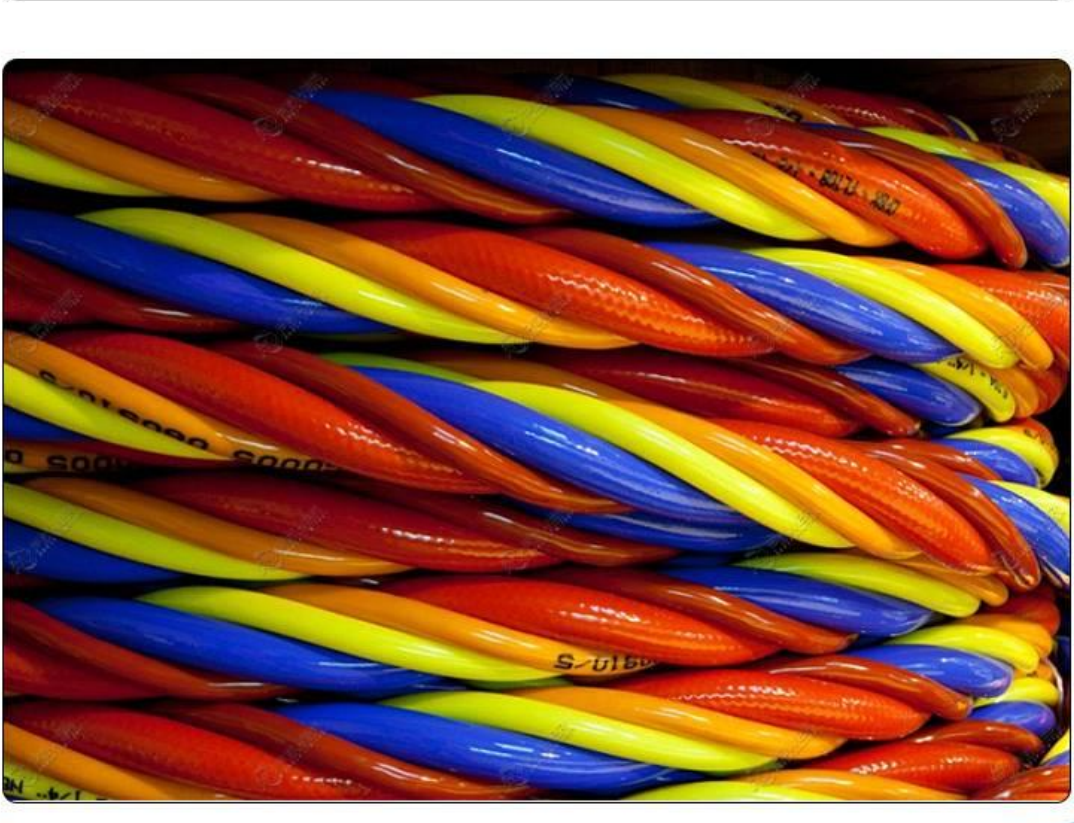


Neutrally buoyant ROV cable
2 POWER Cable+1 Pair
Date Cable +4 fiber Optical
2 AIR TUBE
Overall diameter: 20 mm

The communication cable is specifically designed with the diving industry in mind. The cable is constructed of only the highest quality materials to achieve the durability and reliability required for the demanding underwater environment. The cable was specially designed for optimum audio and is ideal for use in either four or two wire communication applications


Polyurethane Jacket
Clear Mylar Tape
Polypropylene Fiber Filler
Individually Foil Shielded Pairs
(Aluminum-Polyester Shield)
100% Shield Coverage
Drain Wire
22 AWG Conductor
Polypropylene Wire Insulation
20 AWG Wire Conductor

Features
Nominal breaking strength
Pair of twisted shielded conductors with a drain wire
Conductors and drain wire are comprised of stranded tinned copper for excellent corrosion resistance.
Each pair is wrapped with a Z-folded aluminum/polyester shield to eliminate cable cross-talk and improve the cable's performance
The conductors are color coded for ease of use
Outer jacket is constructed of polyurethane which offers superior abrasion and water resistance



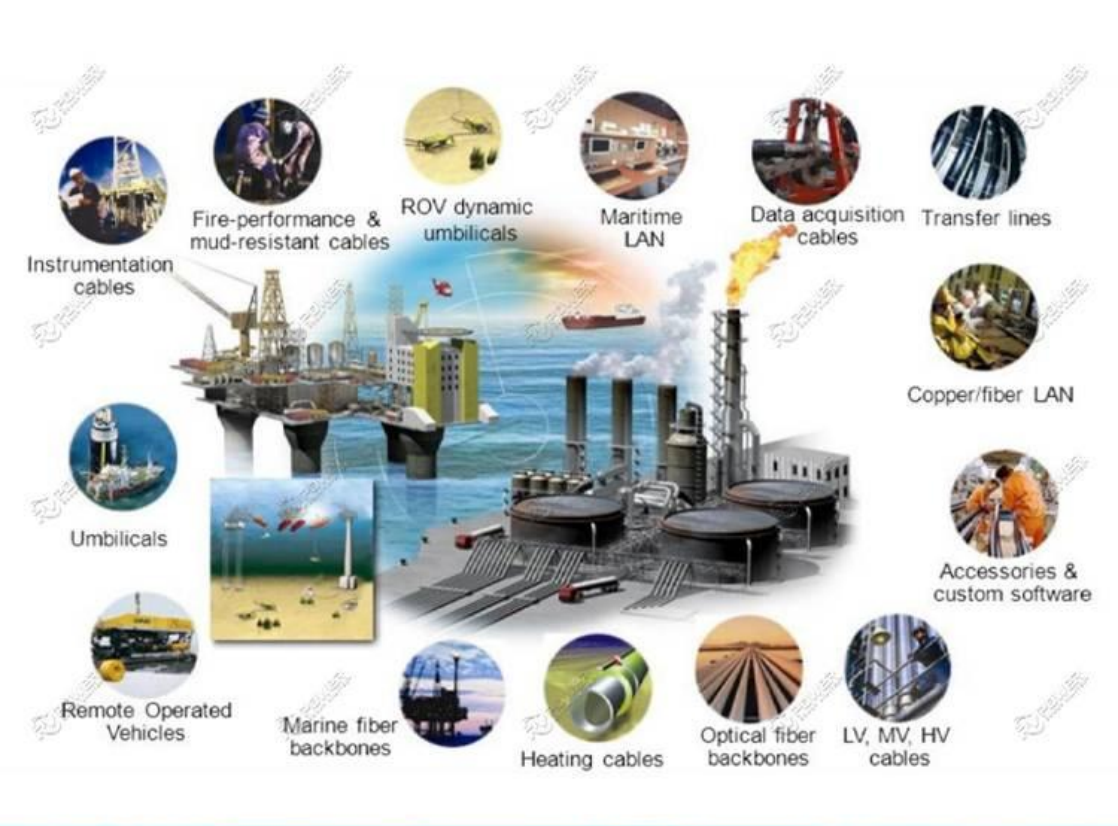
CABLES FOR MARITIME AND UNDERWATER TECHNOLOGIES

Underwater technology, especially at great depths, is challenging. ROVs, used for underwater inspection, survey and search work,Require cables with high performance and reliability for efficient and accurate control, providing the required strength to support the vehicle.Cables and tethers used for Remotely Operated Vehicles represent the vital connection between the vehicle and the vessel.These products include: neutrally buoyant tethers, Kevlar strength member cables, hybrid cables.

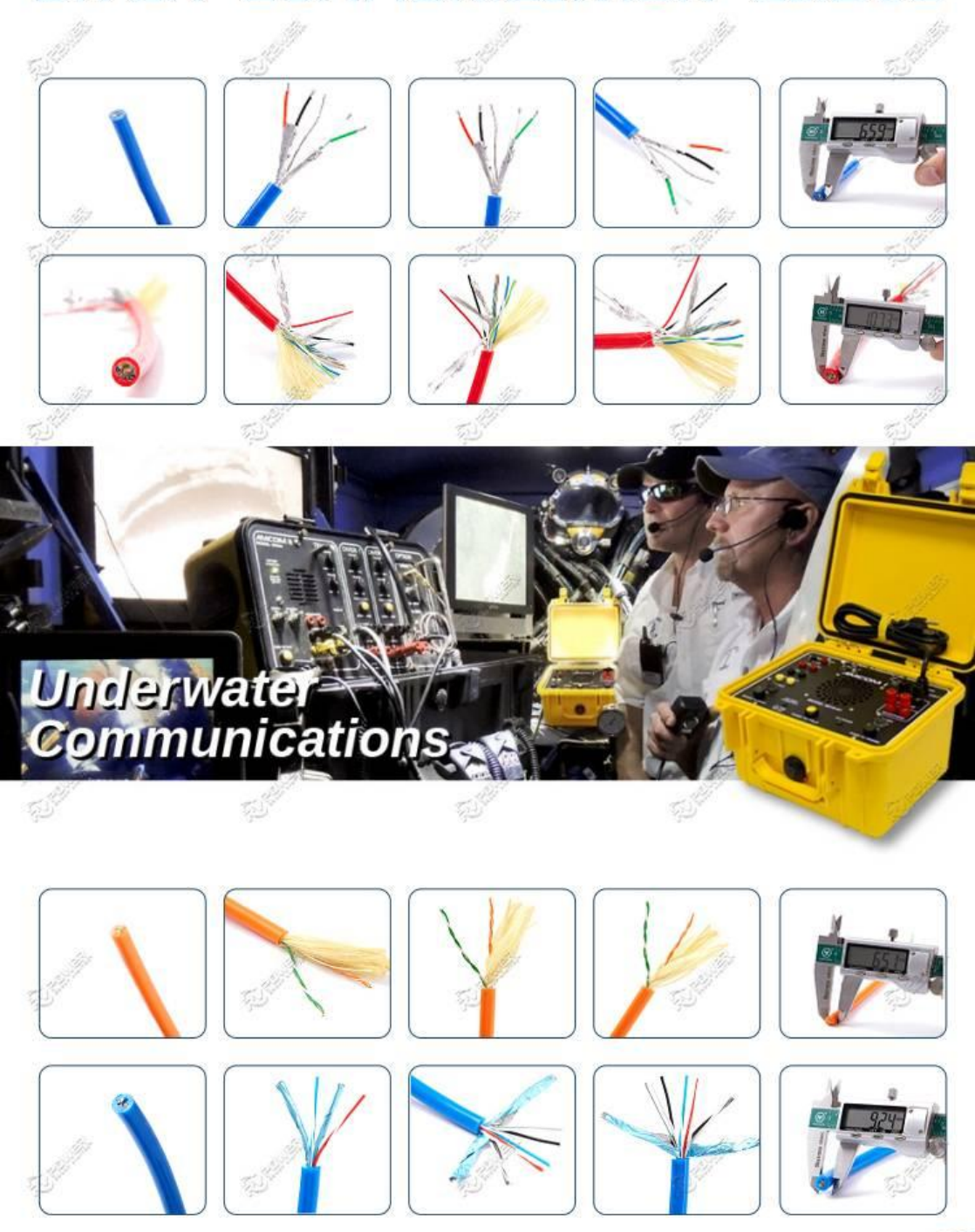
We has many years of knowledge and experience manufacturing cables for the ROV.We offer a complete range of standard communication, video, power and combined service cables, designed to meet the extreme pressures of the subsea environment. Whatever your diving application needs, we can create flexible, cost-effective engineering solutions to suit your requirements and your budget.

SUBSEA CABLES TYPE

ROV Tether Cable
ROV Umbilicals Cable
Diver umbilical
Pool robotic cleaner cable
Neutrally Buoyant Cables
Diver Communications Cable
Underwater Video Cable – Diver
CCTV Inspection Crawler Video Cables
Underwater Fiber Optic Cable
Underwater Instrumentation Cable
Underwater Multiconductor Power & Control Cable
Underwater Ethernet Cable
Sidescan Sonar Tow Cable
Coax Oceanoghraphic Tow Cable
Push-rod Cables
Polyurethane or Polyethylene Jacketed Cables
Composite Underwater Communication Cables
PUR underwater umbilical hybrid Optical
Custom Cable Designs



DIVER COMMUNICATION CABLE



DETAIL DISPLAY

ONE

LONG DISTANCE DATA TRASMISSION

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

TWO

RESILIENT, FLEXIBLE AND NEUTRALLY BUOYANT ONE SINGLE LONG CONTINUOUS LENGTH REQUIRED

Custom ROV cables using tried and proven components for power, video, data, etc., which areavailable 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
FLAE RESISTANT
HALOGEN FREE
COLD RESISTANT
ABRASION RESISTANT
OZONE RESISTANT
UV RESISTANT
MICROBE RESISTANT
MUD RESISTANT
WATER RESISTANT