ROV PIPE HYBRID CABLE

TETHERS & UMBILICALS FOR REMOTELY OPERATED VEHICLES (ROVS)

ROV Tether Cable

Typical ROV Tethers include power conductors, shielded data pairs and video using coax, TSP, or fiber optics. Designs available in several configurations, including Neutral Buoyancy.A varied degree of strength designs available depending onworkloads and handling system. The sample cables listed be low are proven working designs for vehicles used worldwide.

Design Variations

RV POWER GROUP manufactures many custom ROV cables using tried and proven components for power, video, data, etc., which are available for your design, providing shorter lead times.

Cable Properties

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

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

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.

OUR ADVANTAGES

EASY SOLUTIONS

ADAPTABILITY IS ONE OF OUR BEST QUALITESIT PERMIT US TO COPE WITH YOUR REQUE STON 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 ANDIN-DRECT CONNECTION WITH END USERS . SO TOSAY

ENDLESS INVESTIGATION

WE CONTINUOUSY 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 KEEPIN-GA'NOTTODO LISTFOR EVERY-OVE 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

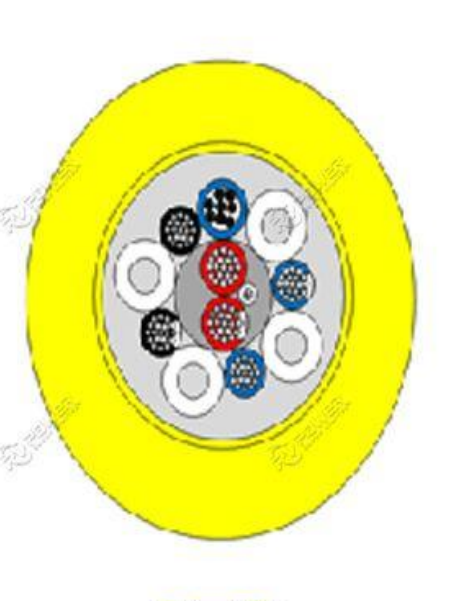
ROV PIPE HYBRID CABLE

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

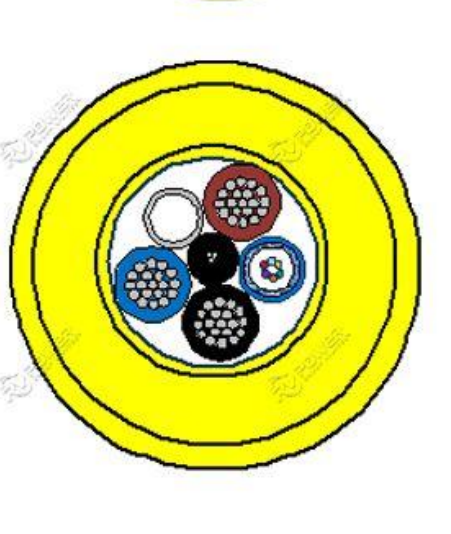
COMPONENTS AND MATERIALS:

- Optical fibers in SS steel tubes /Plastic Tube from 1-24 fibers, single mode, multi-mode,
- Data signals using Ethernet Cat5e and Cat6 signal pairs, RS-232, RS-485, analog, coaxial, shielded components
- Power conductors from 300V to 3.0kv,
- Water block Material : Block water Yarn / Block water Glue
- Strength layers of Synthetic fibers including Kevlar, Vectran
- Jacket compounds :Polyurethane, PE, HDPE, Light weight TPE, foam PE or Foam PUR

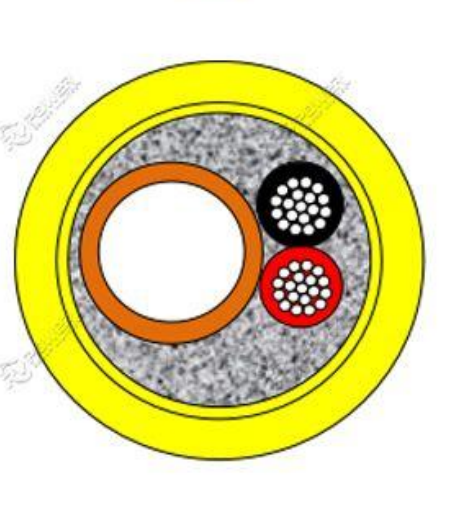
PRODUCT MIX



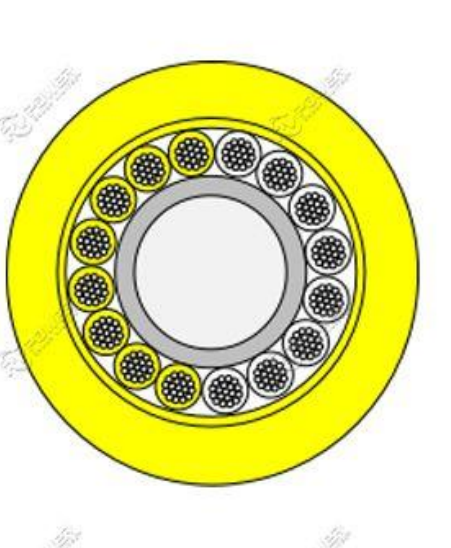
Neutrally buoyant ROV cable
6 POWER Cable
4 Core optical fiber
1 Cat 6 Cable 4 AIR TUBE
Overall diameter: 35 mm



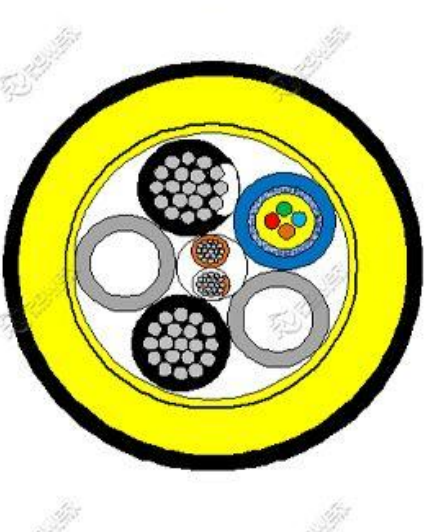
Neutrally buoyant ROV cable
3 POWER Cable
4 Core optical fiber
1 AIR TUBE
Overall diameter: 26 mm



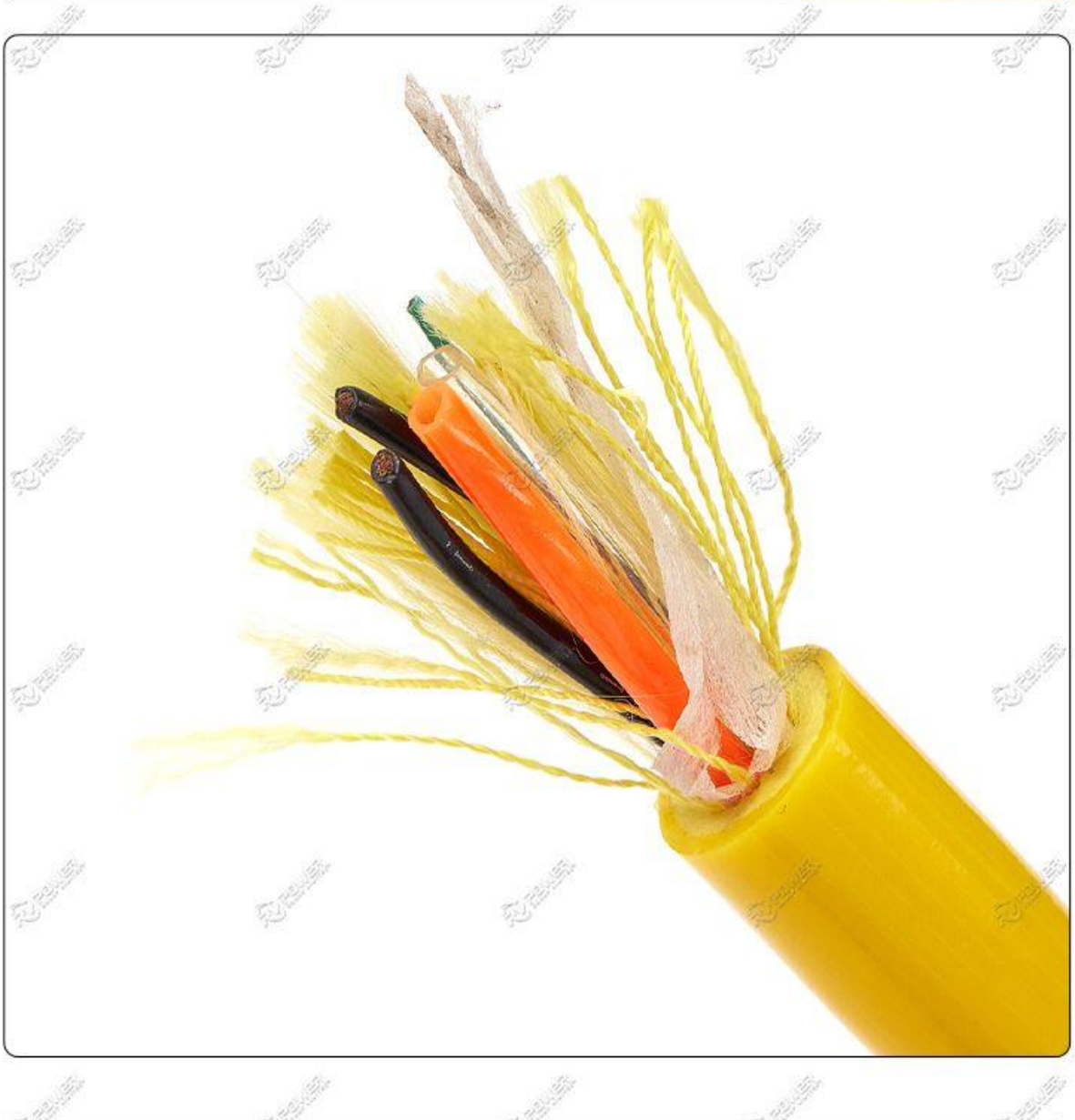
Neutrally buoyant ROV cable
2 POWER Cable
1 AIR TUBE
Overall diameter: 10 mm

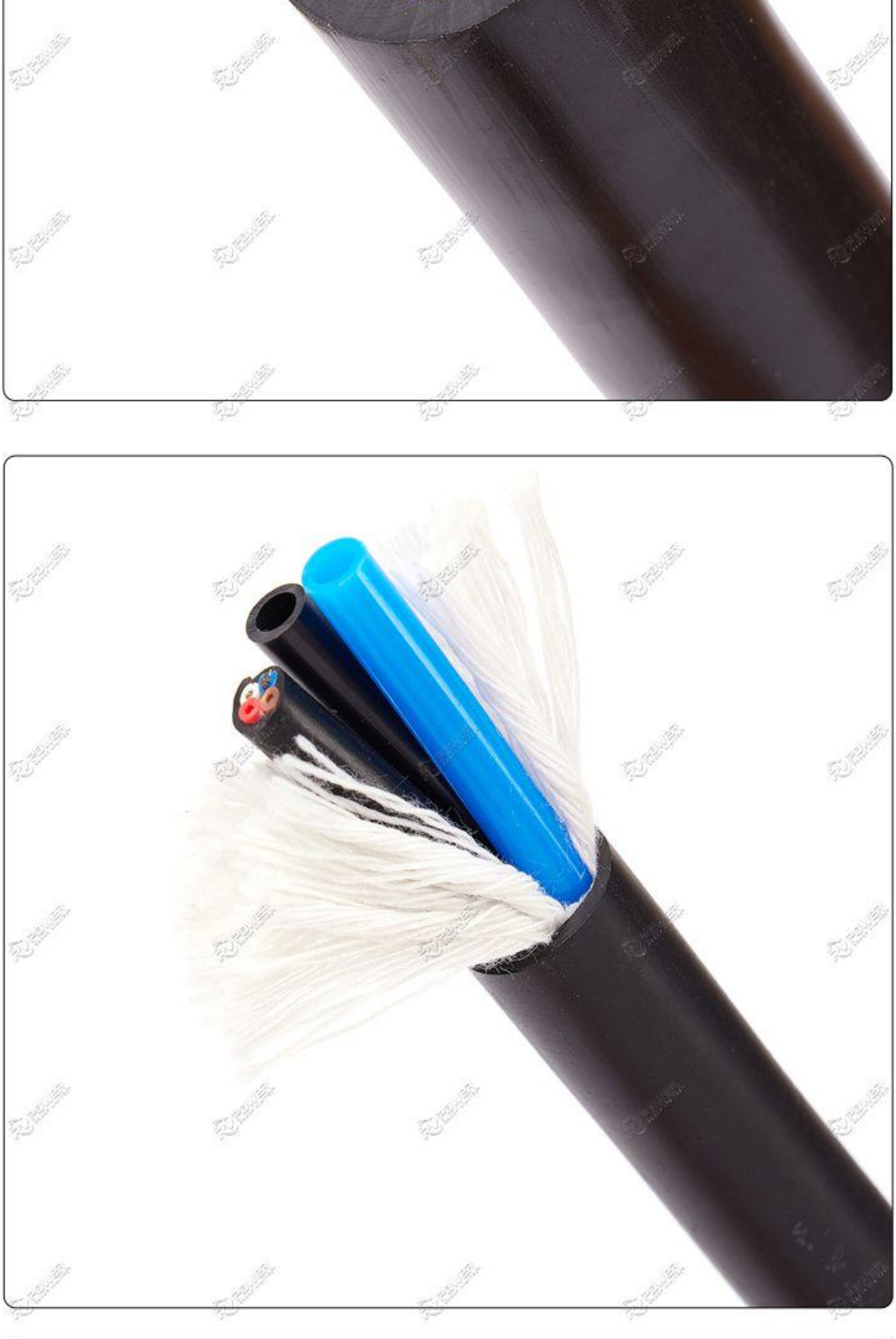


Neutrally buoyant ROV cable
16 POWER Cable
1 AIR TUBE
Overall diameter: 20 mm



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





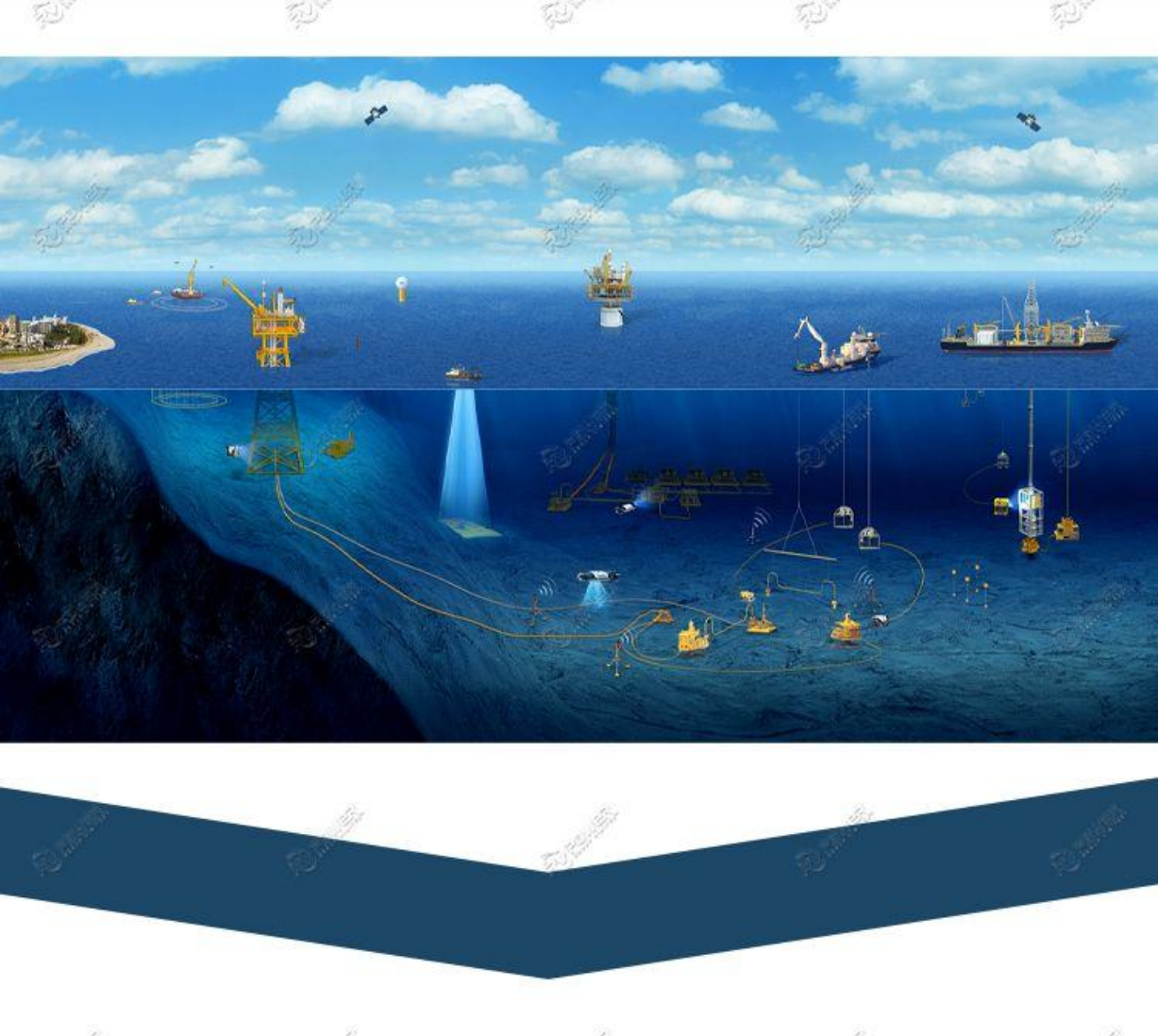
CABLES FOR MARITIME AND UNDERWATER TECHNOLOGIES

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



ROV PIPE HYBRID 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 BOUYANT 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