

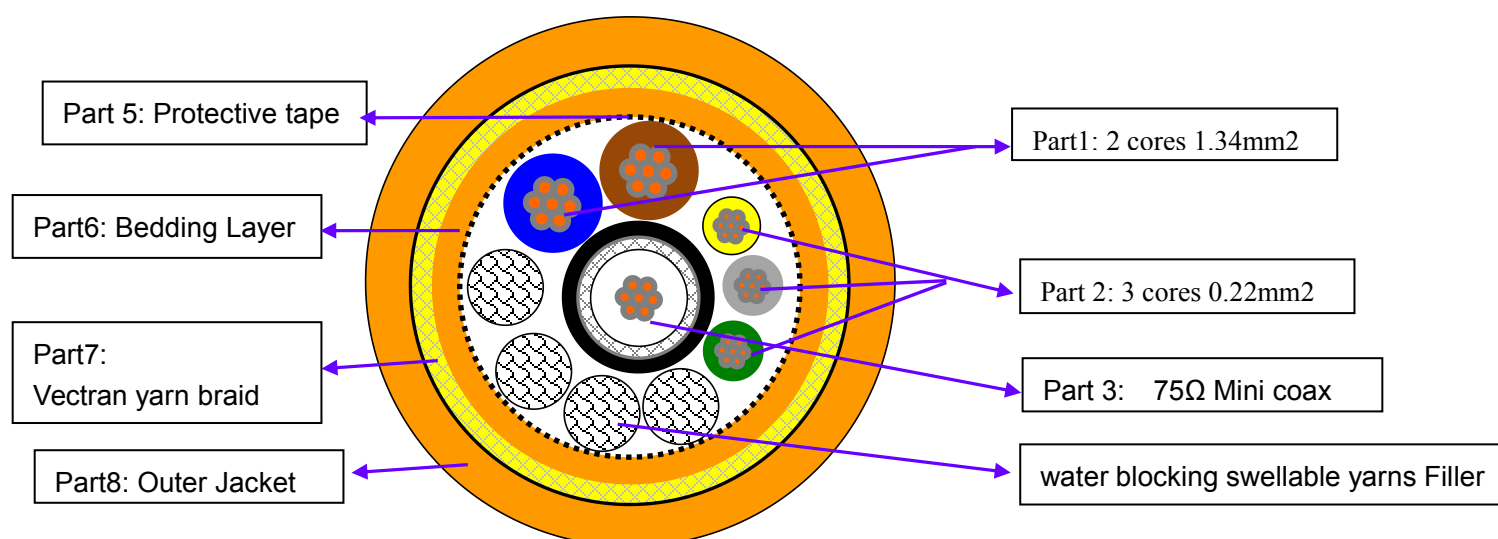
Underwater TV systems Composite Cable 300V

2x1.34+3x0.22+COAX75 OHM

Application

The cable contain coaxes, power conductors to allow cameras, lights and pan & tilt units to be powered, controlled and video images carried to the surface. The cables all have Polyurethane outer jackets, allowing them to be easily moulded to connectors to make underwater cable harness assemblies.

The composite cable for use in hostile marine environments



Product Details (Insulated Cores)

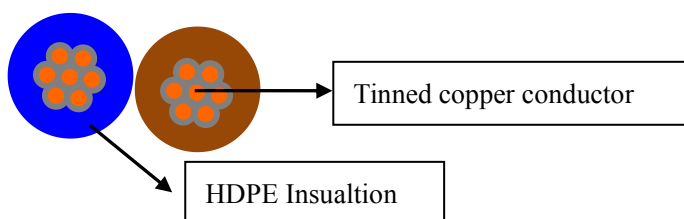
Component Description	Cores Number	Conductor Stranding	Conductor Resistance @ 20°C [Ω/Km] Max.	Insulation Resistance @ 20°C [MΩ/Km]Min.
1.34 sqmm insulated core	2	19/0.3mm TC	15.3	5000
0.22sqmm Insulated Core	3	7/0.2mm TC	96.2	5000
75 Ohm Mini coax	1	7/0.16mm TC	139	5000

Construction

Part 1: 1.34mm 2 2 Cores

- Conductor:** Tinned copper wire (TC)
- Insulation:** High density polyethylene(HDPE)
- Insulation Diameter:** 2.25mm

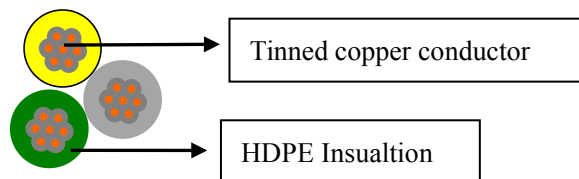
Color: Blue, Brown. Other color upon request.



Part 2: 0.22mm 2 3 Cores

1. **Conductor:** Tinned copper wire (TC)
2. **Insulation:** High density polyethylene(HDPE)
3. **Insulation Diameter:** 1.20mm

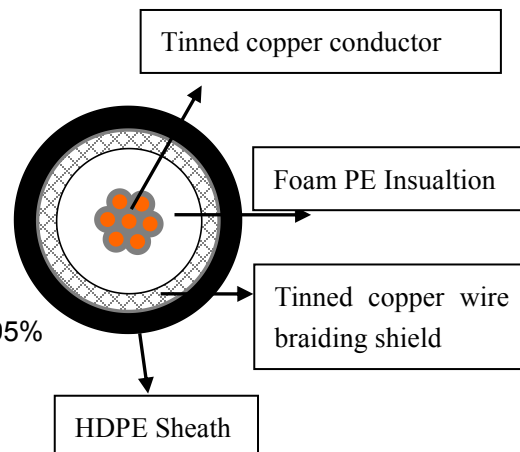
Color: Green, Yellow, Grey. Other color upon request.



Part 3: 75Ω Mini coax

1. **Conductor:** Tinned copper wire (TC)
2. **Insulation:** Cellular Polyethylene (Foam PE), **Color:** White
3. **Dielectric diameter :** 1.7mm
4. **Overall shield:** 0.1mm tinned copper braid shield ,coverage>95%
5. **Sheath:** High density polyethylene(HDPE)

Color: Black. Other color upon request



Part4: Cable Assembly (Part 1+Part2+Part3)

2x1.34mm² cores, 3x0.22mm² cores and 1 x 75Ohm mini coax laid together along with water blocking swellable yarns to form circular profile.

Part 5: Protective tape: Polyester Tape 100% Coverage

Part6: Bedding Layer: Polyurethane.(PUR) **Colour:** Orange, other color upon request.

Thickness of Bedding layer: 1.2 mm nominal

Part7: Reinforcement: Vectran yarn braid.

Part8: Outer Jacket: Polyurethane.(PUR). **Colour:** Orange, other color upon request.

Thickness of Outer Jacket: 1.5 mm nominal

Marking: UNDERWATER COMPOSITE TV SYSTEM CABLE 2x1.34+3x0.22+COAX75 OHM UNIVERSAL YR2016 XXXXM. Other as per customer requirement on order.

Packing length: 1000m/Drum, or as per customer request.

Cable Properties:

Operating Temperature: -40°C to +80°C

Weight in air: 260 kg/km nom.

Min. bending radius: 5X Diameter Static

Depth rating: 5000m

Overall Diameter: 13,5 mm ±1.0 mm

Weight in seawater: 88kg/km nom.

Min. bending radius: 10X Diameter Dynamic

Voltage: 300V