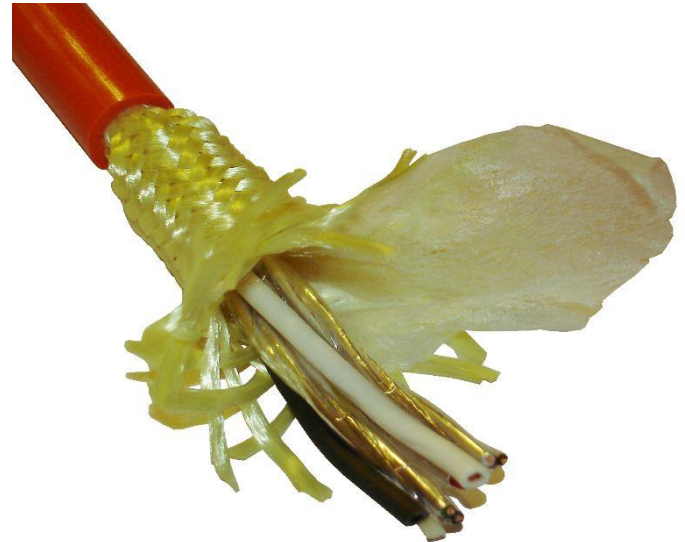


Novasub Video/Data cable DLR

Novasub developed and manufactured a multipurpose reinforced underwater video / data cables. This cable has 2 types of configurations, one with 3 STP and one with 4 STP core. Both are reinforced with a Vectran fiber braid and protected with a PUR coated sheath. **Length available up to 1000 m.**



Features

- **Low cost**
- **Vectran fiber braid reinforced**
- **Extreme tough PUR sheath**
- **Flexible**
- **Very small bend radius**

Applications

- **Diver umbilical (video, light and comm.)**
- **CCTV systems with lights and data line**
- **UW sensors power / control**
- **Sonar power / control**
- **Tow cable for any sensor**

Types available

- DLR-3P25-2C100 (without buoyance, 3 STP core)
- DLR-4P25-2C100 (without buoyance, 4 STP core)

Specifications

DLR-3P25-2C100

2x0,8 mm² (2x18 AWG) power conductors

- Bare copper conductor IEC 60228 class 5
- HDPE insulation, nominal thickness 0,38 mm
- Nominal diameter 2,05 mm
- Colours black and white

3x2x0,2 mm² (3x2x24 AWG) twisted shielded pairs

- Tinned copper conductor 7x0,20 mm
- PE insulation
- Nominal thickness 0,50 mm
- Nominal diameter 1,60 mm
- Core twisted in pairs colors black-white, black-red, black-green
- Individual screen of alum./polyester tape
- Tinned copper drain wire 7x0,20 mm, AL/polyester tape
- Polyester tape

- Elements laid up together with PP filling yarn
- Protective polyester tape
- Vectran fiber braid strength member

Outer Jacket (Hydrolysis resistant PUR outer sheath)

- Nominal thickness 1,50 mm (color orange)
- Nominal diameter 11,8 mm
- Marking: "www.novasub.com - DLR-3P25-2C100 - (meter) m"

DLR-4P25-2C100

2x0,8 mm² (2x18 AWG) power conductors

- Bare copper conductor IEC 60228 class 5
- HDPE insulation, nominal thickness 0,38 mm
- Nominal diameter 2,05 mm
- Colours black and white

4x2x0,2 mm² (4x2x24 AWG) twisted shielded pairs

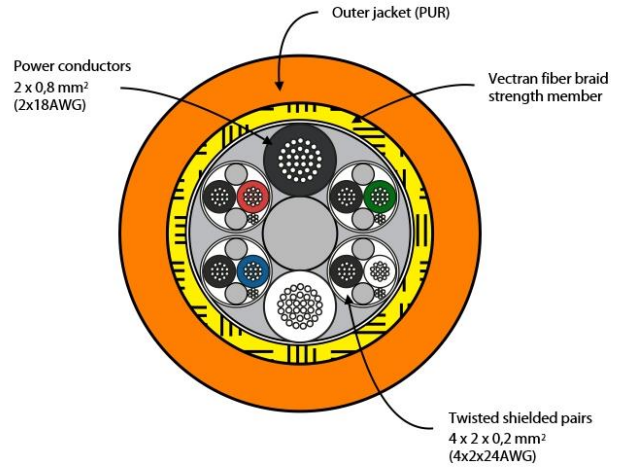
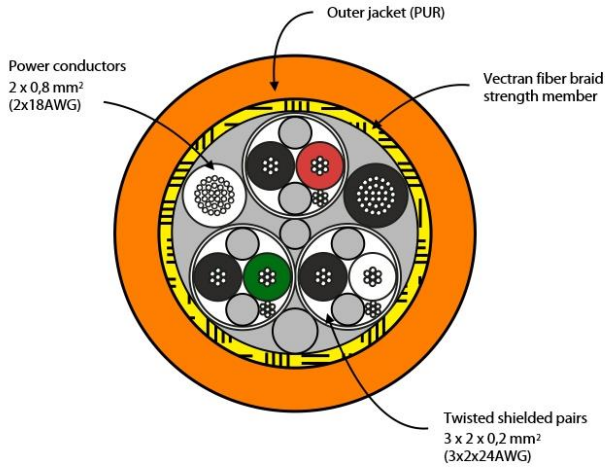
- Bared copper conductor 14x0,15 mm
- HDPE insulation
- Nominal thickness 0,25 mm
- Nominal diameter 1,15 mm
- Core twisted in pairs colors black-red, bl-green, bl/white, bl/blue
- Individual screen of AL/polyester tape
- Tinned copper drain wire 7x0,20 mm
- Polyester tape

- Elements laid up together
- Protective non-woven tape
- Vectran fiber braid strength member

Outer Jacket (Hydrolysis resistant PUR outer sheath)

- Nominal thickness 1,70 mm (color orange)
- Nominal diameter 10,2 mm
- Marking: "www.novasub.com - DLR-4P25-2C100 - (meter) m"

Electrical & Physical characteristics



DLR-3P25-2C100

Electrical resistance conductors 24 AWG	<	88,67 ohm/km @ 20°C
Electrical resistance conductors 18 AWG	<	19,50 ohm/km @ 20°C
Working voltage	:	250 V
Weight in air nom.	:	135 kg/km
Weight in fresh water nom.	:	26 kg/km
Weight in sea water nom.	:	23 kg/km
Breaking strength	:	1500 Kg
Working load max.	:	375 Kg
Static bending radius min.	:	59 mm
Dynamic bending radius min.	:	118 mm
Operating temp	:	-40°C - +90 °C

DLR-4P25-2C100

Electrical resistance conductors 24 AWG	<	76,80 ohm/km @ 20°C
Electrical resistance conductors 18 AWG	<	19,50 ohm/km @ 20°C
Working voltage	:	250 V
Weight in air nom.:	:	137,5kg/km
Weight in fresh water nom.	:	56 kg/km
Weight in sea water nom.	:	54 kg/km
Breaking strength	:	1000 Kg
Working load max.	:	250Kg
Static bending radius min.	:	51 mm
Dynamic bending radius min.	:	102 mm
Operating temp	:	-40°C - +80 °C

Related Products:

- NSCR Cable reels

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