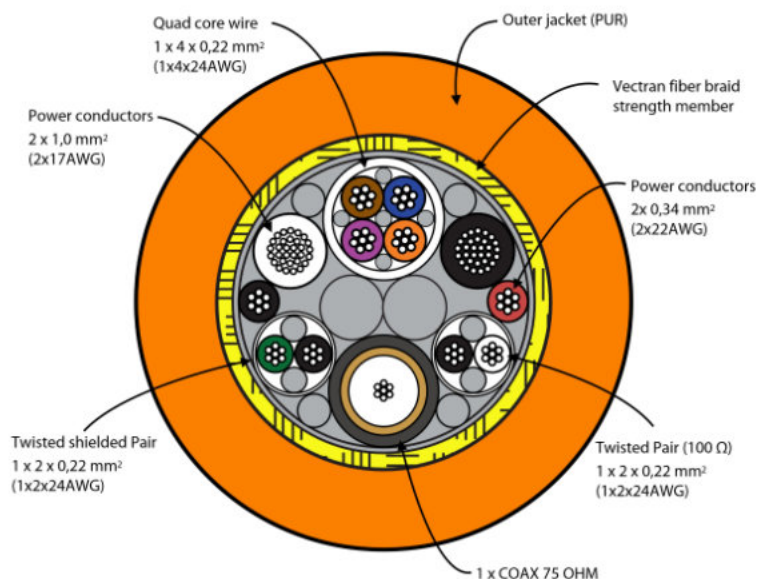


CDUR05 Umbilical Cable with Coax

The CDUR05 is a multipurpose reinforced underwater video/data cable. The cable is used as a cable twisted on a umbilical and the cable is mechanically reinforced with a Vectran fiber braid and a PUR coated sheet. This gives the CDUR05 a breaking strength of 1000 kg. The CDUR05 is the newest umbilical cable from NOVASUB, the main update is the new additional COAX core.

The CDUR05 can be ordered with a custom termination. Lengths are available up to 1000m.

Product code	CDUR-05
Description	Umbilical Cable with Coax
Composition	<ul style="list-style-type: none"> • 2x1,0 mm² (2x17 AWG) Power Conductors • 2x0,34 mm² (4x22 AWG) Power Conductors • 1x2x0,22 mm² (2x24 AWG) Twisted shielded Pair • 1x2x0,22 mm² (2x24 AWG) Twisted Pair (100 Ω) • 1x4x0,22 mm² (4x24 AWG) Quad Core • 1x COAX (75 Ω)
Strength member	Vectran fiber braid
Outer jacket	Orange polyurethane (1,7 mm)
Outside diameter	Ø 12,5 mm
Electrical resistance:	
Conductors 26 AWG	-
Conductors 24 AWG	< 88,67 ohm/km @ 20°C
Conductors 22 AWG	< 56,75 ohm/km @ 20°C
Conductors 18 AWG	-
Conductors 17 AWG	< 20,95 ohm/km @ 20°C
Conductors 0,75 mm²	-
Conductors 0,50 mm²	-
CAT characteristic impedance (1 : 100MHz)	-
CAT6 mutual capacitance	-
Coax nominal impencende	75 Ω
Working voltage	250 V (17 & 22 AWG) & 300 V (24 AWG)
Weight in air	157 kg/km
Weight in fresh water	34 kg/km
Weight in sea water	31 kg/km
Breaking strength	1000 kg
Working load max.	250 kg
Static bending radius min.	65 mm
Dynamic bending radius min.	130 mm
Operating temperature	-30°C - +80 °C
Length up to	1000 m
Marking	www.novasub.com - CDUR-05 - (meter) m"

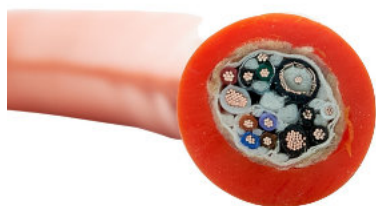


Features:

- High grade
- PUR sheath
- Vectran fibre reinforced

Applications:

- Commercial Diving
- CCTV Systems
- Tow cables



website link : <https://www.novasub.com/product/cdur-05-umbilical-cable-with-coax-14-cores/>
 product video : <https://www.youtube.com/channel/UCRqqqmJy8O7XEabp7S1rpQ>

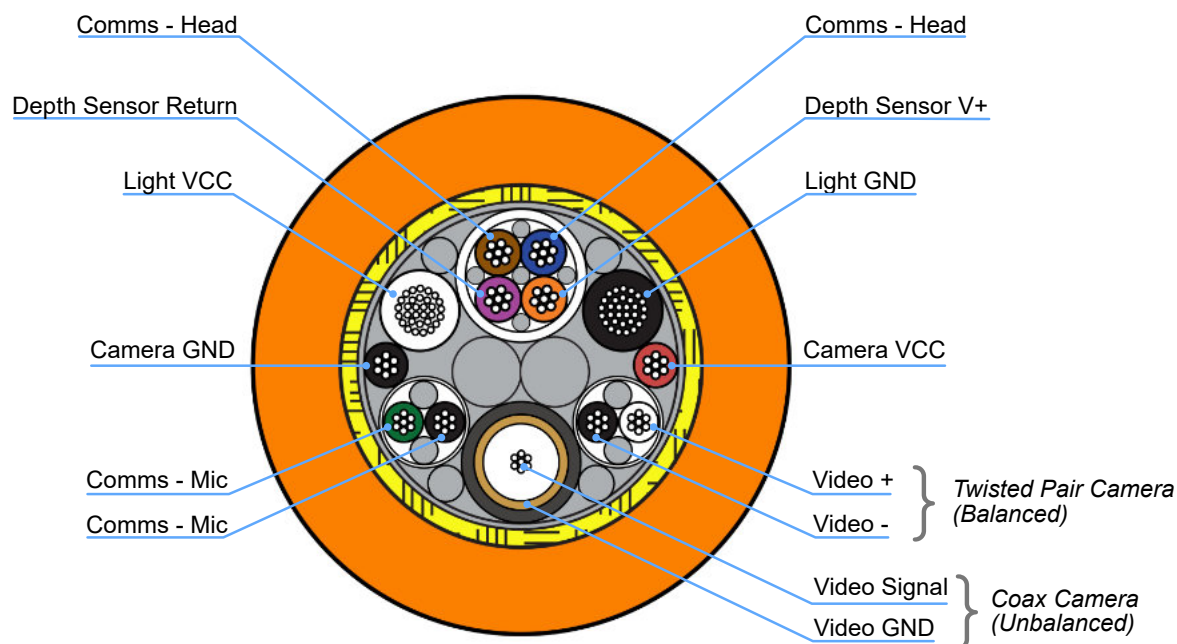
NOVASUB CDUR05 - Recommended Termination

The CDUR05 is a very agile cable that can be used in many different configurations. Below you will find the termination that we recommend when the cable is used on a umbilical for a diver. If you want to use the cable for another application then you can contact us for a termination tailored for your situation.

Color	Cable Configuration	Recommended Function
Black 17 AWG	Single Core	Light GND
White 17 AWG		Light VCC
Black 22 AWG		Camera GND*
Red 22 AWG		Camera VCC*
White 24 AWG	Twisted Pair	Video +
Black 24 AWG		Video -
White	Coax	Video Signal
Braid		Video GND
Black 24 AWG	Twisted Shielded Pair	Comms Mic
Green 24 AWG		Comms Mic
Drain		
Brown 24 AWG	Quad Core	Comms Head
Blue 24 AWG		Comms Head
Orange 24 AWG		Depth Sensor V+
Violet 24 AWG		Depth Sensor Return

*Please note that both camera's are powered by the black and red 22 AWG. This is the case if you use either Twisted Pair or COAX. If you want to have two camera's connected then both will use the black and red 22 AWG as a power source.

Termination Schematic



NOVASUB Available products that can be used in combination with cables:

THETIS



DIVER RADIO

THALLASA



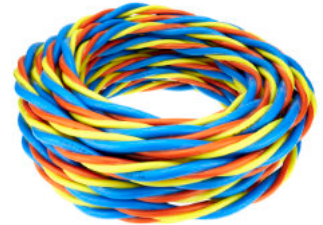
VIDEO RECORDER

TRITON



**DIVER COMMUNICATION &
VIDEO RECORDER**

DUx



UMBILICALS

ARGOS



CAMERAS

HELIOS



LIGHTS

HERMES



COMMS

UDS



DEPTH SENSOR

ACCESSORIES Compatible with cables :

NSCR450



CABLE REEL

UWSR



SLIPRING

FLEETER



CABLE FLEETER

MOLD



POTTING CAST