

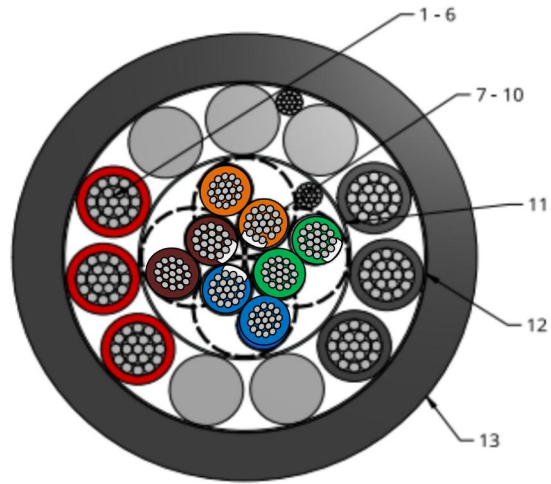
Technical Specifications

Cable Type

Underwater Cable
6×18AWG + Cat5E (4×2×24AWG)

General Description

Underwater Cables are designed for use in watersubsea applications or where high-speed Ethernet data transmission and power support is required construction..Extreme ruggedness,flexible water-blocked network data, video, and sensor equipment..Designed for underwater use with high-spe!deployment, winch systems, and ROV applications.Cables can be used for bottom-laid, verticabe supplied with added breaking strength, additional!.Custom variations of these listed cables can jackets, or neutrally buoyant constructions.



Cable Construction

Conductor	Conductor Material	Tinned copper	Tinned copper
	Conductor Section	24AWG	18AWG
	Conductor Structure	7/0.2mm	19/0.25mm
	Strand OD.	0.6±0.2mm	1.2±0.2mm
Insulation	Insulation Material	Teflon Insulation	HDPE Insulation
	Insulation Thickness	0.2mm	0.5mm
	Insulation Colour	Blue/Blue-white, orange/Orange-white, Green/Green- white,Brown/Brown-white	Red 1-3 Black 1-3
	Insulation OD.	1±0.1mm	2.2±0.2mm
	Structure	4 twisted pairs 4X2X24AWG	6X18AWG
Assembly	Structure	as drawing	
	Filling	3X2.2mm filler rods with Water-blocking yarn	
	Drain wire	Tinned copper 7/0.20mm	
Screen	Material	Drain Wire + Aluminum foil Screen	
	Braid Coverage	100%	
Jacket	Jacket Material	Black PUR	
	Jacket Thickness	1.4±0.2mm	
	Jacket Colour	Black	
	Approximate OD.	11.2 ±0.5mm	
Printing	Underwater Cable 6x18AWG+Cat5E+Meter (0-1000M)		

Electrical Characteristics

Installation Conditions

Max.Conductor DC Resistance at 20°C-24AWG	≤89.0 Ω/km	Min. bending radius	8D
Max.Conductor DC Resistance at 20°C-18AWG	≤21.0 Ω/km	Water Resistance	≤300m depth
Rated Voltage U ₀ /U (Um)	300-600V	Operation temperature	-40°C~+90°C