

Cable and assemblies for mission-critical applications

CAPABILITIES

- Extensive existing mold library
- Molding capabilities for all connector styles: round, MIL-Circ, rectangular, D-Sub, Co-Ax, and wet-mateable
- Mold tooling designed in-house
- All assembly conforms to IPC 610/620
- Electrical terminations
- Mechanical terminations
- Injection and pour molding connectors, breakouts or encapsulation or other components or I.C.'s
- RF or Fiber Optics
- Solid molded cables for superior connector protection
- Molded transitions save I/O space on panels and speed installation time
- Large inventory of polyurethane cables
- Neoprene molding

Materials & Components Include

- Most metals and alloy conductors
- Insulators and jacketing compounds such as TPE's, TPU's, Nylon, Hytrel, Olefins, Fluoropolymers, PVC and cross-linked Olefins
- Shielding types including flat or round copper, stainless, alloys or tapes
- Strength members including aramid fibers, stainless steel, and nylon
- Other capabilities including water blocking, cable sealing, inclusion of air or fluid lines and coil cords



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TELEDYNE CABLE SOLUTIONS

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Teledyne Cable Solutions (TCS) is part of Teledyne Oil & Gas, an alliance of Teledyne Technologies companies that delivers high-reliability engineered solutions for interconnect, data networking and monitoring applications to OEM or end users.



Teledyne Marine | Global Headquarters

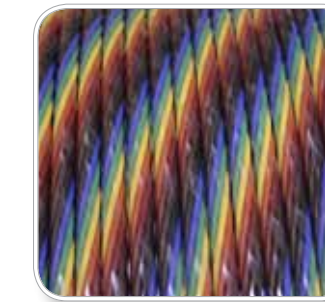
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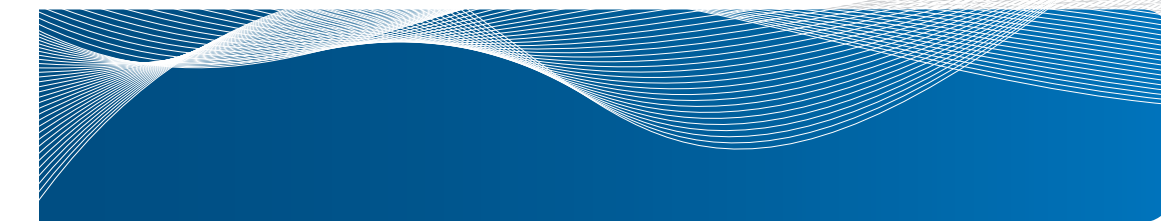
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Cable Solutions Stock Subsea Cables

Superior Cable and Reliable Assemblies for Submerged Applications



COMMUNICATIONS
DATA ACQUISITION
UNDERWATER
REMOTE
RELIABLE
FAST DELIVERY



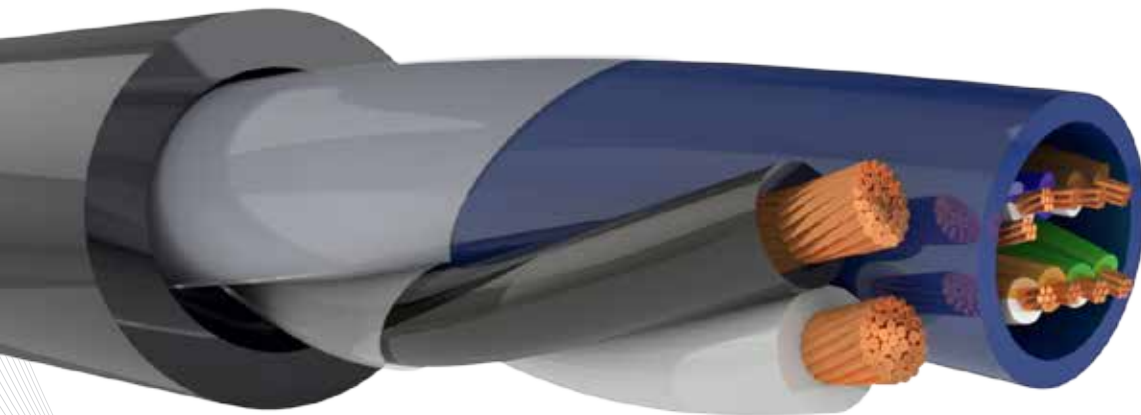


TELEDYNE CABLE SOLUTIONS

Teledyne Cable Solutions, an alliance formed of Teledyne Storm Cable and Teledyne VariSystems, provides bulk wire and cable and overmolded cable assemblies to the oil and gas, marine, defense, and transit industries.



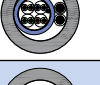


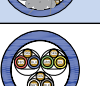
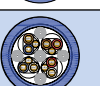
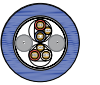


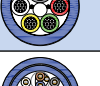
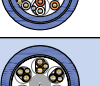
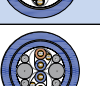
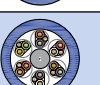
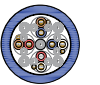

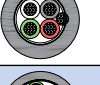


Teledyne Cable Solutions offers a wide range of underwater power and data networking cables in stock and ready to ship. Cables can be terminated with connectors or left unterminated.

Contact cablesolutions@teledyne.com to order.



WHY TELEDYNE CABLE SOLUTIONS?

- Expanded manufacturing capacity with four locations in North America: Calgary, Dallas, Houston, and Tijuana
- Access to materials science expertise and materials performance certifications through Teledyne Scientific research labs
- Security of supply through Teledyne Technologies
- Integrated turnkey engineering solutions
- Rapid prototyping fulfillment

Stock Subsea Cables	No.	Description	Insulation	Inner Jacket	Strength Member	Outer Jacket	Outer Diameter	Max Voltage	Pressure Rating (psi)	Max Current	Nom Conductor DC Resistance	Cat 6 Electricals	Cable weight in air (lbs/ft)	Cable weight in seawater (lbs/ft)	Static bend radius	Dynamic bend radius
	TCS-10001	Ruggedized Ethernet 4 Pair 26 AWG	26 AWG - PO			Black Telethane	.375"	300V	300			13.5 pF/ft / Voltage (Max.): 300V / DC Resistance (Max.): 14 Ohms / Impedance: 100 Ohms +/- 15 Ohms @ 100 MHz or 100 Ohms +/- 20 Ohms @ 500 MHz	63.83 Lbs./1,000'	14.82 Lbs./1,000'	3"	4.5"
	TCS-10002	Ruggedized Ethernet 4 Pair 26 AWG + 2 Cond 14 AWG	14 AWG - PP 26 AWG - PO			Black Telethane	.490"	14(750V)	300	16 Amps	Max 2.749 Ohms/1000'	13.5 pF/ft / Voltage (Max.): 300V / DC Resistance (Max.): 14 Ohms / Impedance: 100 Ohms +/- 15 Ohms @ 100 MHz or 100 Ohms +/- 20 Ohms @ 500 MHz	109.38 Lbs./1,000'	25.71 Lbs./1,000'	4"	6"
	TCS-10003	Ruggedized Ethernet 4 Pair 26 AWG + 2 Cond 18 AWG	18 AWG - PP 26 AWG - PO			Black Telethane	.450"	18(600V)	300	6 Amps	Max 7.046 Ohms/1000'	13.5 pF/ft / Voltage (Max.): 300V / DC Resistance (Max.): 14 Ohms / Impedance: 100 Ohms +/- 15 Ohms @ 100 MHz or 100 Ohms +/- 20 Ohms @ 500 MHz	85.55 Lbs./1,000'	14.98 Lbs./1,000'	3.75"	5.5"
	TCS-10004	Ruggedized Ethernet 4 Pair 26 AWG + 4 Cond 20 AWG	20 AWG - PP 26 AWG - PO			Black Telethane	.445"	20(600V)	300	6 Amps	Max 7.046 Ohms/1000'	13.5 pF/ft / Voltage (Max.): 300V / DC Resistance (Max.): 14 Ohms / Impedance: 100 Ohms +/- 15 Ohms @ 100 MHz or 100 Ohms +/- 20 Ohms @ 500 MHz	88.69 Lbs./1,000'	19.68 Lbs./1,000'	3.75"	5.5"
	TCS-10005	Ruggedized Ethernet 4 Pair 26 AWG + 10 Cond 20 AWG	20 AWG - PP 26 AWG - PO			Black Telethane	.500"	20(600V)	300	4 Amps	Max 11.273 Ohms/1000'	13.5 pF/ft / Voltage (Max.): 300V / DC Resistance (Max.): 14 Ohms / Impedance: 100 Ohms +/- 15 Ohms @ 100 MHz or 100 Ohms +/- 20 Ohms @ 500 MHz	119.34 Lbs./1,000'	32.22 Lbs./1,000'	4"	6"
	TCS-10017	Ruggedized Ethernet 4 Pair 26 AWG (cat 6) + 2 x Shielded Twisted Pairs 18 AWG	18 AWG - MDPE 26 AWG - PO			Blue Telethane	.622"	18(750V)	300	6 Amps	Max 7.040hms/1000'	13.5 pF/ft / Voltage (Max.): 300V / DC Resistance (Max.): 14 Ohms / Impedance: 100 Ohms +/- 15 Ohms @ 100 MHz or 100 Ohms +/- 20 Ohms @ 500 MHz	134.55 Lbs./1,000'	1.28 Lbs./1,000'	5.0"	7.5"
	TCS-10006	3 x Shielded Twisted Pairs 20 AWG	PP			Blue Telethane	.378"	500V	6000	5 Amps	Max 9.270hms/1000'		65.95 Lbs./1,000'	16.15 Lbs./1,000'	3"	4.5"
	TCS-10007	4 x Shielded Twisted Pairs 20 AWG	HDPE			Blue Telethane	.465"	500V	6000	5 Amps	Max 9.270hms/1000'		109.38 Lbs./1,000'	34.03 Lbs./1,000'	3.75"	5.5"
	TCS-10008	2 x Shielded Twisted Pairs 20 AWG, Strengthened	HDPE		Braided Aramid Fiber (2400 Lbs. break strength)	Blue Telethane 3020	.413"	500V	6000	5 Amps	Max 9.270hms/1000'		78 Lbs./1,000'	23.53 Lbs./1,000'	3.30"	5.0"
	TCS-10009	2 x Shielded Twisted Pairs 20 AWG, Strengthened	MDPE		Braided Aramid Fiber (2400 Lbs. break strength)	Blue Telethane 3020	.374"	500V	6000	5 Amps	Max 9.270hms/1000'		72.28 Lbs./1,000'	18.56 Lbs./1,000'	3.30"	5.0"
	TCS-10010	6 x Shielded Twisted Pairs 24 AWG (one pair bedded), 2 Cond 18 AWG	18 AWG - HDPE 24 AWG - PP	Black Telethane		Black Telethane 3020	.508"	18(750V), 24(250V)	6000	18(19 Amps), 24(2 Amps)	Max 5.930hms/1000'(18), Max 25.160hms/1000'(24)		137.18 Lbs./1,000'	47.24 Lbs./1,000'	4.75"	6.75"
	TCS-10011	4 Cond 18 AWG, 1 x 750hm coax, strengthened	PO		Aramid Yarn in core to Break >1500N	Blue Telethane	.374"	18(500V)	300	18(16 Amps)	Max 5.930hms/1000'(18)		66.79 Lbs./1,000'	18.04 Lbs./1,000'	3"	4.5"
	TCS-10012	4 x Shielded Twisted Pairs 16 AWG, 4 Cond 16 AWG, Kaptamid	MDPE	Blue Telethane	Braided Aramid Fiber (1701 kg)	Blue Telethane	.965"	600V	6000	22 Amps	Max 9.270hms/1000'		403.40 Lbs./1,000'	78.87 Lbs./1,000'	8.5"	12.5"
	TCS-10013	6 x Shielded Twisted Pairs 20 AWG, Strengthened	MDPE		Braided Aramid Fiber (1103 Lbs. break strength)	Blue Telethane	.516"	500V	6000	5 Amps	Max 9.270hms/1000'		144.95 Lbs./1,000'	52.16 Lbs./1,000'	4.65"	6.75"
	TCS-10014	2 x Shielded Twisted Pairs 16 AWG, Kaptamid	MDPE	Blue Telethane	Braided Aramid Fiber (3307 Lbs. break strength)	Blue Telethane	.783"	600V	6000	22 Amps	Max 4.33 Ohms/1000'		255.20 Lbs./1,000'	41.54 Lbs./1,000'	7.05"	10.25"
	TCS-10015	6 x Shielded Twisted Pairs 20 AWG	MDPE			Blue Telethane 3020	.630"	500V	6000	5 Amps	Max 9.270hms/1000'		170.47 Lbs./1,000'	32.15 Lbs./1,000'	9.5"	12.6"
	TCS-10016	4 x Shielded Twisted Pairs 18 AWG	MDPE			Blue Telethane	.531"	500V	6000	16 Amps	Max 7.040hms/1000'		115.60 Lbs./1,000'	17.34 Lbs./1,000'	4.25"	6.38"
	TCS-10018	4 x Shielded Twisted pairs 20 AWG, 1 x Shielded Twisted pair 16 AWG, Waterblocked	PP			Yellow RAL 1018 Telethane	.530"	500V	6000	(16) 22 Amps/ (20) 11 Amps	Max (16) 4.646Ohms/1000' / (20) 9.270hms/1000'		144.03 Lbs./1,000'	46.14 Lbs./1,000'	4.25"	6.5"
	SPD-22302	4 Cond 20 AWG	PP			Black Telethane	.250"	600V	6000	4 Amps	Max 11.273 Ohms/1000'		35.98 Lbs./1,000'	14.2 Lbs./1,000'	2"	3"
	SPD-22905	8 Cond 16 AWG	PP			Black Telethane	.350"	600V	6000	10 Amps	Max 4.336 Ohms/1000'		109.26 Lbs./1,000'	66.57 Lbs./1,000'	2.75"	4.25"

All marine cables shown are constructed with a foil shield and have an operating temperature of -40°C to +80°C.