



SYNERGY

INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

UAE • UK • INDIA • AZERBAIJAN

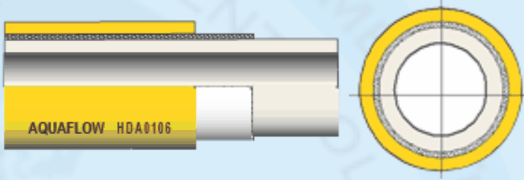


SYNERGY SURFACE DIVING HOSES AND UMBILICALS SY-AQUAFLOW

Known worldwide for its lightweight and ultra flexible construction, Aquaflow hoses are ideal for surface demand applications. Aquaflow kink resistant construction comprises of an extruded core tube, reinforcement of high strength yarn and a bonded outer cover. Both tube and cover are extruded from high performance thermoplastic polymers which are particularly clean and free from odors often associated with conventional rubber hoses.



Coupled with the wide operating temperature range this ensures breathing gas quality is maintained under all conditions from -20°C to



PartNo.	Nominal Bore		O.D.		Min. bend radius		Working pressure		Nom.burst pressure		Weight in air		Weight in sea water		Typical application
	in	mm	in	mm	in	mm	psi	bar	psi	bar	lb/ft	g/m	lb/ft	g/m	
SY-HDA0104	1/4	6.3	0.51	12.9	1.3	32	300	21	1200	84	0.078	116	-0.013	-20	Pneumo
SY-HDA0106	3/8	9.5	0.69	17.4	2	50	500	35	2000	140	0.128	190	-0.036	-54	Air/gas
SY-HDA1108	1/2	12.7	0.813	20.7	3	76	300	25	1200	84	0.200	298	-0.038	-56	Hot water

Aquaflow Umbilicals



Lightweight, ultra flexible and kink resistant, Aquaflow Umbilicals are ideal for breathing gas supply, comms and pneumo service for surface demand umbilicals. They can be produced in production runs up to 740 meters long and can be over extruded or braided for additional protection against abrasion and use in contaminated waters.

The unique materials and cabled "rope-like" construction combine to produce the most flexible, controlled buoyancy umbilicals available today. The umbilicals have no need

for tape, the repairs are much reduced and they have a longer life. They keep the professional diver safer and more efficient both while diving and on deck. They will ultimately reduce costs for the operator. The highest quality materials, workmanship with competitive pricing and unmatched service to our clients worldwide. SYNERGY invites you to visit our website or contact us directly so that we can assist you with all your Diving Umbilical needs.

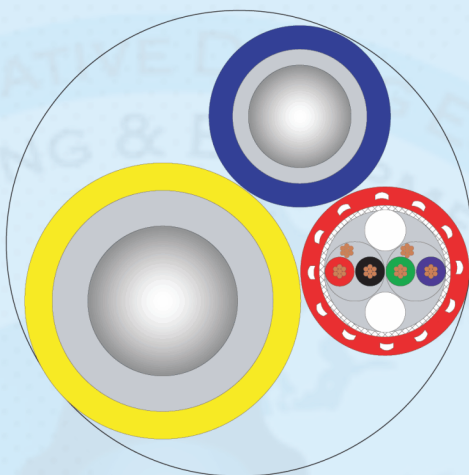




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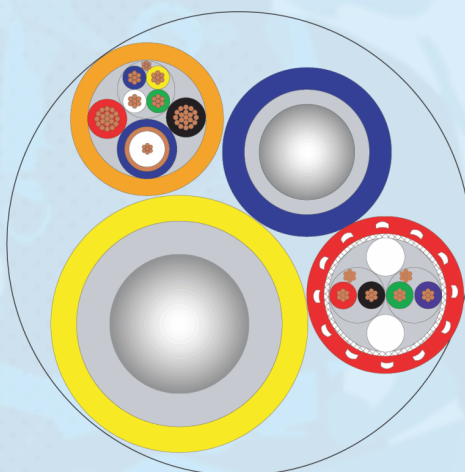
SY-UDA0103

3 part surface demand



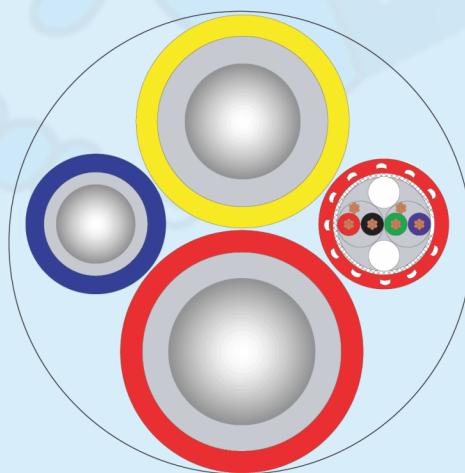
SY-UDA0204

3 part plus video



SY-UDA0104

4 part (with hot water)



SYNERGY UNDERWATER CABLES

SYNERGY stock's a range of purpose built underwater cables for use both separately and incorporated into diving umbilicals. All cables supplied feature flexible, fatigue resistant constructions and tough, abrasion resistant polyurethane outer jackets.

In addition to these standard products custom designed cables can also be supplied to suit particular application/Customer requirements, please contact us for details.

Part Number	Description	Cross Section
SY-CDR010411	Diver reinforced comms cable 2 x 20 awg screened pairs, braided strength member Red polyurethane jacket Diameter 0.433" (11 mm) Breaking Strength 1100 lbs (500 Kgs)	
SY-CDX010308	Hat light/ Power cable 3 x 16 awg power cores, Orange polyurethane jacket Diameter 0.315" (8 mm)	
SY-CDX010710	Basic Video Cable 1 x 22 awg screened quad, 2 x 16 awg power cores 1 x mini RG59 coax Orange polyurethane jacket Diameter 0.433" (11.0 mm)	
SY-CDX010811	Video Cable 1 x 20 awg screened pair, 1 x 24 awg pair 1 x 16 awg screened pair and single 16 awg core 1 x mini RG59 coax Orange polyurethane jacket Diameter 0.440" (11.8 mm)	
SY-CDR011611	Video Cable 16 x 22 awg core 1 x RG59 coax Braided strength member Orange polyurethane jacket Diameter 0.43" (10.9 mm) Breaking strength 1100 lbs (500 kgs)	
SY-CDX010609	3 Pair Signal cable 3 x 20 awg screened pairs, Black polyurethane jacket Diameter 0.34" (8.6 mm)	
SY-CDX090813	4 Pair Signal cable 4 x 20 awg screened pairs, Red polyurethane jacket Diameter 0.480" (12.2 mm)	

SYNERGY INFRASTRUCTURE





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