

Cable No.	From		То		Signal	Cable Type	Cable Description	Maximum Length (ft.)	Cable Supplied By			
	Device	Connector	Device	Connector								
EM1002S	Transceiver											
C1	EM 1002S Transceiver Unit	IEC Plug (Female)	Ship's Conditioned Power	TBD	230VAC 20 AMPS	LSTPS-3	3 Cond. Pow er Cable	20	CFE			
C2	EM 1002S Transceiver Unit	Spade Lug	Ship's Ground	TBD	Ground	Supplied	Copper Braid	3	KUTI			
C36	EM 1002S Transceiver Unit	RJ-45	HWS10 Workstation	RJ-45	10/100 Base T	LS4PR24-CAT-5	4-Pair Twisted	300	CFE			
Transduc	cer J-Box											
C3-C10	Transducer J-Box	DB50 (Male)	EM1002S Transceiver Unit	DB50 (Male)	Acoustic	Supplied	Transducer Cable	16.5	KUTI			
C11-C18	Transducer J-Box	SMB	EM 1002S Transducer	Molded	Acoustic	Supplied	Transducer Cable	16.5	KUTI			
Position/						1			-			
C20	Seapath 200	BNC 1-PPS	EM1002 Transceiver Unit	BNC 1-PPS	1-PPS	RG58, M17/183-0001	COAX, 50 Ohm	100	CFE			
C21	Seapath 200	DB9 (Female) Com5	EM1002 Transceiver Serial Port 1	DB9 (Female) Computer	Position (GGA), ZDA RS232	2XSO-3	TSP, 3 Pair, 22 AWG	100	CFE			
C22	Seapath 200	DB9 (Female) Com6	EM1002 Transceiver Serial Port 2	DB9 (Female) Computer	Attitude RS232	2XSO-3	TSP, 3 Pair, 22 AWG	100	CFE			
C23	Seapath 200	DB15 (Male)	MRU J-BOX	Terminal Block	MRU Data	2XSO-3	TSP, 3 Pair, 22 AWG	100	CFE			
C24	Seapath 200	IEC Plug (Male)	Ship's Conditioned Pow er	IEC Plug (Female)	115VAC L.N.G	Molded Cable	Nema 5-15 IEC	12	KUTI			
C25	Seapath 200	PS2	Keyboard	Molded	Keyboard	Manufacturer Supplied	Manufacturer Supplied	10	KUTI			
W502	Seapath 200	HD15 (Video)	Monitor	HD15 (Video)	Seapath Video	Molded Cable	Manufacturer Supplied	6	KUTI			
C27	Seapath 200	F Connector	GPS Antenna 1	F Connector	GPS	RG214 Hiflex	Manufacturer Supplied	65	KUTI			
C28	Seapath 200	F Connector	GPS Antennna 2	F Connector	GPS	RG214 Hiflex	Manufacturer Supplied	65	KUTI			
HWS10 W	orkstation											
C33	HWS10 Workstation	IEC Plug (Female)	Ship's Conditioned Pow er	IEC Plug (Male)	115VAC L,N,G	Manufacturer Supplied	Nema 5-15 IEC Detachable Cord	12	KUTI			
W502	HWS10 Workstation	HD15 (Video)	Monitor	HD15 (Video)	Video	Molded Cable	Manufacturer Supplied	6	KUTI			
W503	HWS10 Workstation	PS2	Keyboard	Molded	Keyboard	Molded Cable	Manufacturer Supplied	5	KUTI			
W504	HWS10 Workstation	PS2	Mouse	Molded	Mouse	Molded Cable	Manufacturer Supplied	5	KUTI			
C32	HWS10 Workstation	DB9 (Female)	12VDC Pow er Supply	DB9 (Female)	SSV RS232	2XSO-3	TSP, 3 Pair, 22 AWG	100	KUTI			
Misc												
C34	HWS10 Workstation Monitor	IEC Plug (Female)	Ship's Conditioned Pow er	IEC Plug (Male)	115VAC L,N,G	Manufacturer Supplied	Nema 5-15 IEC Detachable Cord	12	KUTI			
C35	SV Profiler	Molded Impulse	HWS10 Workstation Serial Port 2	DB9 (Female) "B"	RS232 Sound Velocity Profile	Manufacturer Supplied	Manufacturer Supplied	6	KUTI			
C30	AMT Smart Sensor (SSV)	Molded 9 Pin	12VDC Pow er Supply	DB9 (Female)	SSV RS232	Manufacturer Supplied	Applied Microsystems Cable	100	KUTI			
C31	12VDC Pow er Supply	Terminal Block	Ship's Conditioned Pow er	IEC Plug (Male)	115VAC L,N,G	Molded Cable	Nema 5-15 IEC	12	KUTI			
C19	MRU 5	MS 26 Pin	MRU J-BOX	Terminal Block	MRU Data	Manufacturer Supplied	Manufacturer Supplied	100	KUTI			
C29	Seapath Monitor	IEC Plug (Male)	Ship's Conditioned Pow er	IEC Plug (Male)	115VACL,N,G	Manufacturer Supplied	Nema 5-15 IEC Detachable Cord	12	KUTI			
NOTES:	MCS: Multiconductor w ith 100% overshield     TSP: Tw isted shielded Pairs w ith 100% overshield, and at least 75% on individual pairs.											
	3. All connectors refer to cable	3. All connectors refer to cable ends.										
	4. Final cable type approval is the responsibility of owner  5. CFE: Customer furnished equipment											

_	CONT	CONTRACT NO.			<b>KONGSBERG</b> MARITIME			
APPROVALS DATE		TDI BROOKS		19210 33 <sup>rd</sup> Avenue West KONGSBERG Lynnwood, WA, USA 98036				
DRAWN SM 8JUL05	SIZE	CAGE COL		DWG NO.		10150	20	REV.
CHECKED M RICE 8JUL05	LB	<u>B   1WUA6</u>		824-121529				
ENGINEER	SCAL	.E N/A	UNIT W	/T N/A		SHEET	2 OF	2

4

В

Α

3

1

A

В