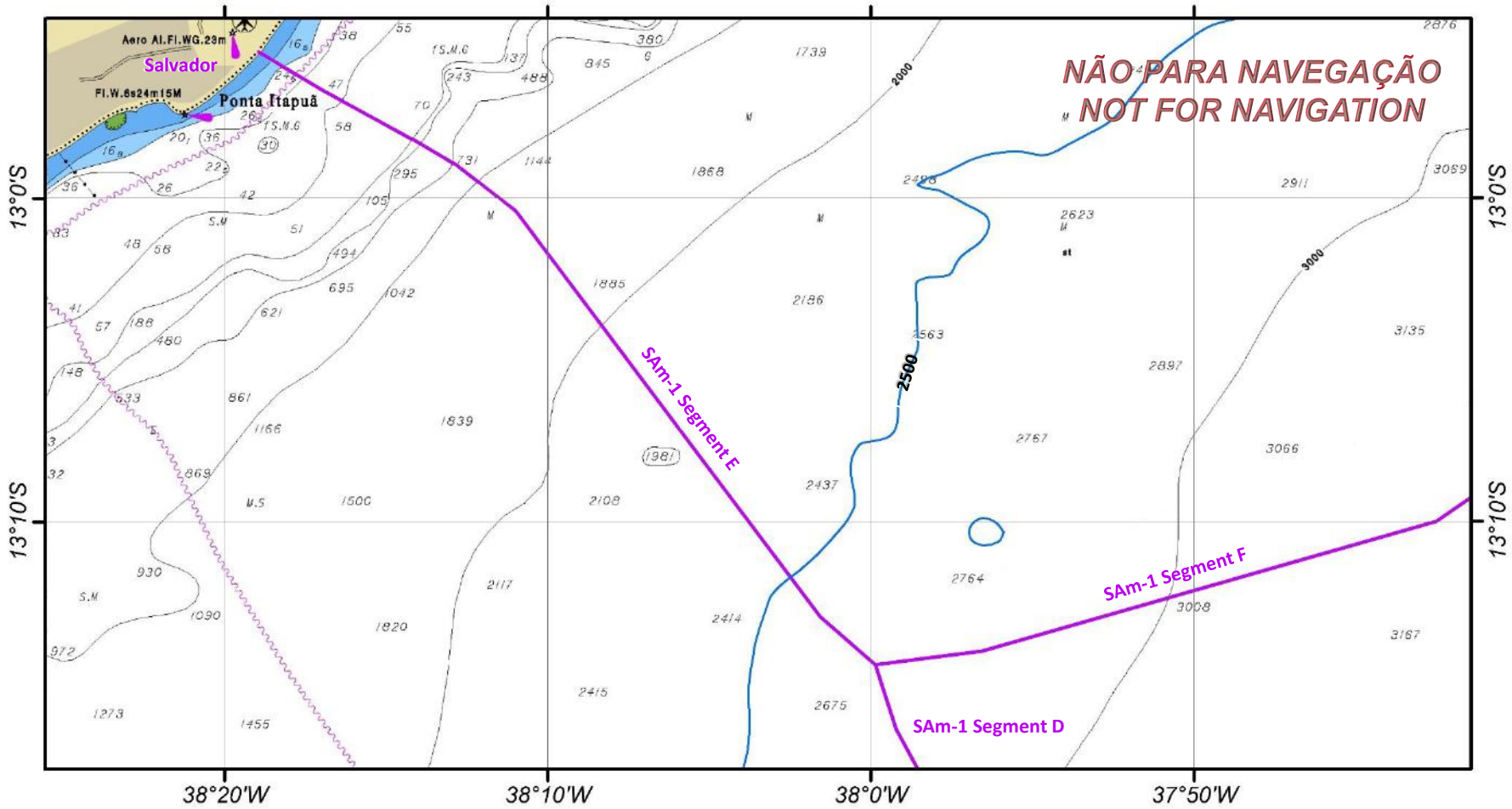


*Cabos Submarinos SAm-1 e BRUSA no Brasil  
SAm-1 and BRUSA Submarine Cables in Brazil*



## Cabos Submarinos Atenção Marinheiros e Pescadores

Os cabos submarinos SAm-1 e BRUSA transportam tráfego muito importante de Telecomunicações do Brasil, incluindo internet, telefonia e outros. Os cabos submarinos transportam mais de 95% das comunicações internacionais, proporcionando mais capacidade, velocidade e segurança em comparação à transmissão via satélite, mas podem ser danificados por âncoras, redes de pesca e outras atividades no fundo do mar.

As rotas aproximadas dos cabos em Fortaleza e em Salvador estão indicadas no desenho em anexo e as posições geográficas dos cabos submarinos estão apresentadas na lista anexa. Os cabos são essenciais para as comunicações regionais e globais e são protegidos pelas leis internacionais. Devido a incerteza da correta localização das operações marítimas e pesqueiras, Telxius solicita aos marinheiros e pescadores para manter as âncoras, as redes e outros equipamentos que tenham contato com o fundo do mar, de no mínimo 0,9 Km ou ½ milha náutica de distância dos cabos submarinos.

Se a sua âncora ou rede de pesca prender em algo que possa ser um cabo, por favor, não tente levantá-la, pois isto pode causar sérios riscos à embarcação, à tripulação e ao cabo. O peso e a tensão do cabo podem afetar seriamente a estabilidade do barco. Os cabos submarinos carregam até 12 mil Volts de eletricidade. Pode ser necessário sacrificar a sua âncora ou o equipamento de pesca.

Se uma pessoa danificar um cabo intencionalmente ou por negligência, este ato é considerado ilegal e a pessoa poderá ser responsabilizada pelos altos custos de reparo.

Em caso de um possível engate no cabo submarino, por favor ligue para os números abaixo:

Para maiores informações consulte:

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## Submarine Cables Attention Mariners and Fishermen

The SAm-1 and BRUSA subsea cables carry important international communications of Brazil, including internet, telephone and others. Cables carry more than 95% of international communications, with more capacity, speed, and security than satellites, but they may be damaged by anchors, fishing gear and other seabed activities.

The approximate routes of cables are shown on the attached sketches and position list. Cables are essential to regional and global communication. They are protected by international law. Due to possible uncertainty in locations of marine operations, Telxius asks mariners to keep anchors, fishing gear and other items that contact the seabed at least ½ nautical mile away.

If your gear snags something that may be the cable, please do not try to lift it. That could cause risks to the vessel, crew and cable. Weight and tension of the cable could affect vessel stability, and cables carry up to 12,000 volts of electrical current. It may be necessary to sacrifice your anchor or fishing gear.

If a person damages a cable intentionally or by culpable negligence, such damage is illegal, and the responsible person may be liable for expensive repair costs.

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*Cabos Submarinos SAm-1 & BRUSA no Brasil / SAm-1 & BRUSA Submarine Cables in Brazil - Fortaleza & Salvador*

SAm-1 Seg E (Salvador)		Depth (m)
WGS84		
Latitude	Longitude	
12° 55.497'S	038° 18.936'W	0
12° 55.527'S	038° 18.886'W	0
12° 56.000'S	038° 18.100'W	22
12° 56.211'S	038° 17.745'W	26
12° 56.660'S	038° 17.000'W	46
12° 57.525'S	038° 15.412'W	63
12° 58.000'S	038° 14.540'W	69
12° 58.145'S	038° 14.290'W	93
12° 58.215'S	038° 14.135'W	149
12° 58.999'S	038° 12.810'W	869
12° 59.258'S	038° 12.475'W	996
12° 59.838'S	038° 11.727'W	1171
13° 00.399'S	038° 10.999'W	1360
13° 00.410'S	038° 10.987'W	1365
13° 07.672'S	038° 05.544'W	2191
13° 12.960'S	038° 01.572'W	2557
13° 14.444'S	037° 59.858'W	2686
SAm-1 Seg F (Fortaleza)		Depth (m)
WGS84		
Latitude	Longitude	
03°44.169'S	038°27.276'W	0
03°44.158'S	038°27.240'W	0
03°43.845'S	038°26.200'W	15
03°43.841'S	038°26.093'W	15
03°43.877'S	038°26.021'W	15
03°43.914'S	038°25.947'W	15
03°43.909'S	038°25.800'W	15
03°43.273'S	038°23.762'W	16
03°43.254'S	038°23.700'W	16
03°43.239'S	038°23.559'W	16
03°43.227'S	038°23.400'W	16
03°43.195'S	038°23.339'W	15
03°42.342'S	038°21.690'W	17
03°42.308'S	038°21.625'W	17
03°41.824'S	038°20.690'W	21
03°41.467'S	038°20.000'W	20
03°40.610'S	038°18.515'W	17
03°40.580'S	038°18.463'W	17
03°40.523'S	038°18.364'W	17
03°38.252'S	038°14.436'W	24
03°38.117'S	038°14.202'W	30
03°38.000'S	038°14.000'W	28
03°37.978'S	038°13.956'W	29
03°37.500'S	038°13.000'W	21
03°36.800'S	038°11.700'W	22
03°36.000'S	038°10.900'W	32
03°35.646'S	038°10.300'W	32
03°35.468'S	038°09.959'W	33
03°35.281'S	038°09.601'W	31
03°35.254'S	038°09.550'W	31
03°34.222'S	038°07.574'W	36
03°34.047'S	038°07.239'W	35

SAm-1 Seg F (Fortaleza)		Depth (m)
WGS84		
Latitude	Longitude	
03°33.923'S	038°07.000'W	35
03°33.795'S	038°06.757'W	35
03°33.762'S	038°06.692'W	35
03°33.802'S	038°06.662'W	36
03°33.757'S	038°06.682'W	35
03°33.400'S	038°06.000'W	35
03°32.200'S	038°04.000'W	44
03°31.100'S	038°01.000'W	61
03°30.448'S	038°00.070'W	93
03°30.107'S	037°59.583'W	283
03°29.424'S	037°58.608'W	462
03°29.300'S	037°58.431'W	560
03°29.230'S	037°58.353'W	615
03°28.676'S	037°57.741'W	1000
03°28.324'S	037°57.352'W	1147
03°27.100'S	037°56.000'W	1485
03°26.813'S	037°54.742'W	1560
03°26.774'S	037°54.574'W	1585
03°26.728'S	037°54.492'W	1588
03°25.261'S	037°51.898'W	1715
03°26.008'S	037°51.186'W	1666
03°26.151'S	037°50.671'W	1715
03°27.778'S	037°44.996'W	1560
03°32.224'S	037°36.726'W	1738
03°34.779'S	037°34.527'W	1824
03°36.735'S	037°32.801'W	
03°38.425'S	037°31.280'W	1693
03°40.567'S	037°26.907'W	1958
03°41.516'S	037°24.968'W	2102
03°41.728'S	037°20.685'W	2250
03°41.998'S	037°15.965'W	
03°42.053'S	037°14.999'W	2385
03°42.954'S	037°12.971'W	2375
03°43.899'S	037°10.810'W	2434
03°52.998'S	036°49.999'W	3224
03°53.224'S	036°49.750'W	3325
03°56.166'S	036°44.729'W	2611
04°01.788'S	036°35.325'W	2658
04°09.716'S	036°22.184'W	2440
04°12.503'S	036°17.503'W	2401
04°13.796'S	036°10.404'W	2357
04°16.217'S	035°57.266'W	2525
SAm-1 Seg G (Fortaleza)		Depth (m)
WGS84		
Latitude	Longitude	
03°44.169'S	038°27.276'W	0
03°44.150'S	038°27.244'W	0
03°44.031'S	038°26.890'W	11
03°43.698'S	038°26.000'W	15
03°43.500'S	038°25.600'W	15
03°43.381'S	038°25.200'W	16
03°43.355'S	038°25.000'W	16

SAm-1 Seg G (Fortaleza)		Depth (m)
WGS84		
Latitude	Longitude	
03°44.169'S	038°27.276'W	0
03°43.434'S	038°24.800'W	16
03°43.402'S	038°24.600'W	16
03°43.104'S	038°23.700'W	16
03°43.088'S	038°23.541'W	16
03°43.073'S	038°23.400'W	16
03°42.214'S	038°21.990'W	16
03°42.184'S	038°21.941'W	16
03°41.934'S	038°21.538'W	16
03°40.206'S	038°18.752'W	17
03°40.200'S	038°18.743'W	17
03°39.600'S	038°18.000'W	18
03°39.205'S	038°17.706'W	18
03°34.541'S	038°14.234'W	28
03°33.000'S	038°13.088'W	30
03°32.000'S	038°12.200'W	36
03°31.000'S	038°11.587'W	36
03°25.236'S	038°07.182'W	65
03°24.800'S	038°06.849'W	66
03°24.578'S	038°06.570'W	86
03°24.571'S	038°06.561'W	90
03°24.274'S	038°06.189'W	450
03°24.214'S	038°06.113'W	480
03°23.381'S	038°05.071'W	1000
03°22.618'S	038°04.115'W	1320
03°22.000'S	038°03.340'W	1490
03°17.307'S	037°59.766'W	1925
03°13.885'S	037°57.160'W	2068
03°08.108'S	037°52.763'W	2315
03°08.000'S	037°52.680'W	2320
03°05.984'S	037°52.128'W	2385
03°05.500'S	037°51.995'W	2400
03°01.962'S	037°51.995'W	2530
BRUSA Seg 6 (Fortaleza)		Depth (m)
WGS84		
Latitude	Longitude	
03°44.173'S	038°27.275'W	4
03°44.173'S	038°27.275'W	4
03°44.173'S	038°27.267'W	4
03°44.170'S	038°27.261'W	4
03°44.168'S	038°27.255'W	4
03°44.163'S	038°27.245'W	4
03°44.152'S	038°27.236'W	4
03°44.146'S	038°27.236'W	4
03°44.140'S	038°27.231'W	4
03°44.135'S	038°27.218'W	4
03°44.125'S	038°27.197'W	4
03°44.119'S	038°27.180'W	4
03°44.119'S	038°27.180'W	4
03°44.095'S	038°27.122'W	4
03°44.044'S	038°27.003'W	9
03°43.997'S	038°26.886'W	11

BRUSA Seg 6 (Fortaleza)		Depth (m)
WGS84		
Latitude	Longitude	
03°43.983'S	038°26.852'W	11
03°43.955'S	038°26.773'W	12
03°43.941'S	038°26.743'W	12
03°43.919'S	038°26.698'W	13
03°43.912'S	038°26.671'W	13
03°43.898'S	038°26.653'W	13
03°43.876'S	038°26.620'W	13
03°43.829'S	038°26.582'W	14
03°43.752'S	038°26.547'W	14
03°43.710'S	038°26.527'W	14
03°43.699'S	038°26.519'W	14
03°43.669'S	038°26.487'W	15
03°43.593'S	038°26.397'W	15
03°43.543'S	038°26.294'W	15
03°43.474'S	038°26.105'W	15
03°42.733'S	038°24.057'W	17
03°42.607'S	038°23.744'W	17
03°42.421'S	038°23.279'W	15
03°42.179'S	038°22.817'W	14
03°41.876'S	038°22.081'W	17
03°41.834'S	038°21.996'W	18
03°41.465'S	038°21.270'W	23
03°41.422'S	038°21.197'W	22
03°41.056'S	038°20.610'W	21
03°41.050'S	038°20.601'W	21
03°41.041'S	038°20.591'W	21
03°40.798'S	038°20.368'W	21
03°39.754'S	038°19.431'W	18
03°39.740'S	038°19.421'W	18
03°39.162'S	038°19.063'W	22
03°38.495'S	038°18.694'W	24
03°38.413'S	038°18.643'W	24
03°37.859'S	038°18.272'W	24
03°36.482'S	038°17.256'W	28
03°36.456'S	038°17.233'W	28
03°36.354'S	038°17.136'W	24
03°36.254'S	038°17.041'W	24
03°35.882'S	038°16.809'W	29
03°35.835'S	038°16.778'W	30
03°34.848'S	038°16.054'W	25
03°34.802'S	038°16.019'W	25
03°34.770'S	038°15.995'W	25
03°34.655'S	038°15.908'W	28
03°34.547'S	038°15.827'W	29
03°34.510'S	038°15.798'W	30
03°34.491'S	038°15.784'W	30
03°32.137'S	038°14.045'W	35
03°32.061'S	038°13.993'W	35
03°31.872'S	038°13.849'W	37
03°31.152'S	038°13.316'W	38
03°31.092'S	038°13.276'W	38
03°30.961'S	038°13.176'W	38

BRUSA Seg 6 (Fortaleza)		Depth (m)
WGS84		
Latitude	Longitude	
03°30.859'S	038°13.124'W	37
03°30.843'S	038°13.115'W	37
03°29.985'S	038°12.679'W	38
03°29.109'S	038°12.080'W	37
03°29.059'S	038°12.046'W	38
03°28.109'S	038°11.163'W	42
03°28.036'S	038°11.112'W	42
03°28.026'S	038°11.105'W	42
03°28.020'S	038°11.100'W	42
03°27.950'S	038°11.047'W	42
03°26.252'S	038°09.813'W	54
03°26.148'S	038°09.737'W	54
03°26.101'S	038°09.703'W	54
03°25.895'S	038°09.553'W	55
03°25.884'S	038°09.545'W	55
03°25.875'S	038°09.539'W	55
03°25.863'S	038°09.530'W	55
03°25.382'S	038°09.180'W	60
03°25.090'S	038°08.974'W	60
03°25.068'S	038°08.959'W	61
03°24.938'S	038°08.867'W	61
03°24.756'S	038°08.738'W	61
03°24.242'S	038°08.376'W	64
03°23.309'S	038°07.687'W	69
03°23.247'S	038°07.650'W	70
03°22.757'S	038°07.362'W	254
03°22.585'S	038°07.266'W	386
03°22.158'S	038°07.054'W	498
03°21.827'S	038°06.889'W	545
03°21.238'S	038°06.596'W	627
03°20.948'S	038°06.439'W	684
03°20.726'S	038°06.305'W	754
03°19.822'S	038°05.758'W	878
03°18.951'S	038°04.911'W	1212
03°18.426'S	038°04.352'W	1362
03°17.821'S	038°03.706'W	1600
03°17.222'S	038°03.177'W	1741
03°17.221'S	038°03.175'W	1741
03°11.129'S	037°58.556'W	2169
03°10.481'S	037°58.250'W	2203
03°09.128'S	037°58.028'W	2247
03°08.025'S	037°57.986'W	2274
03°07.166'S	037°58.197'W	2294
03°06.542'S	037°58.414'W	2312
03°05.647'S	037°58.725'W	2336
03°04.292'S	037°59.003'W	2370
03°01.352'S	037°59.320'W	2453
02°59.227'S	037°59.550'W	2509



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