

Cable Awareness & Emergency Procedures

Please keep clear and do not damage submarine telecoms cables. You risk the loss of your gear and catch, and international communications can be disrupted. These cables carry high voltages and can be dangerous to life. It is an offence to wilfully damage submarine cables.

The coasts of the United Kingdom, Ireland and Europe have a large number of submarine cable systems. When fishing gear fouls a cable the results can be expensive and dangerous. Many cables have high breaking strains, some over 70 tonnes.

If gear is caught in these you may cause damage to nets and lines as well as disrupting international communications.

If you suspect that you have fouled a submarine telecoms cable the following action should be taken

1. If weights are excessive and you suspect you are fast to a cable, **DO NOT** endanger your vessel and crew by attempting to recover your gear.
2. Carefully plot your ships position as accurately as possible.
3. Advise your Coastguard station of your situation or call the 24 hour Emergency Number and state that an incident is occurring concerning an underwater Submarine Telecommunications Cable.

This chart is provided to indicate the route positions of the Apollo North and Apollo South submarine telecommunications cable system. It is given for assistance and guidance. The Sea Fish Industry Authority nor Apollo accept liability for any inaccuracies however caused.



Kingfisher®

Special Charts Services

Produced by the Kingfisher Department of the Sea Fish Industry Authority on behalf of Apollo Submarine Cable System Ltd.

www.seafishmarineservices.com
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Useful Addresses

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Kingfisher Information Services

Sea Fish Industry Authority
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Europarc, Grimsby, DN37 9TZ
Tel: +44 (0) 1482 327837

MFA Fisheries Office (Newlyn)

46 Fore Street, Newlyn, Penzance, Cornwall, TR18 5JR
Tel: +44(0) 1736 362805

MFA Fisheries Office (Plymouth)

The Fish Quay, Sutton Harbour, Plymouth, PL4 OLH
Tel: +44(0) 1752 228001

Cornish Fish Producers Organisation

I The Strand, Newlyn, Penzance, Cornwall, TR18 5HJ
Tel +44(0) 1736 351050

NFFO

30 Monkgate, York, YO31 7PF
Tel: +44 (0) 1904 635430

HM Coastguard

Falmouth MRCC

Pendennis Point, Castle Drive, Falmouth, TR11 4WZ
Tel: +44 (0) 1326 317575

Milford Haven MRCS

Gorsewood Drive, Hakin, Milford Haven, SA73 3ER
Tel: +44 (0) 1646 690909

24hr Emergency Contact No:

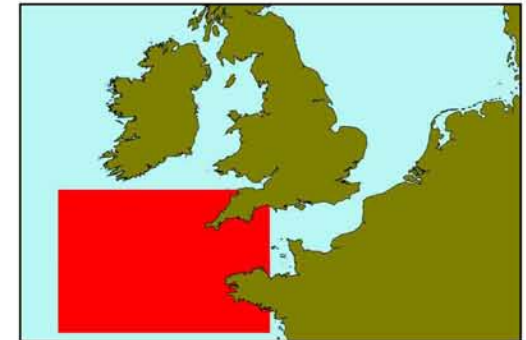
+44 (0) 121 629 5864

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SUBMARINE CABLE AWARENESS CHART


Apollo

Apollo North & Apollo South Submarine Cable System



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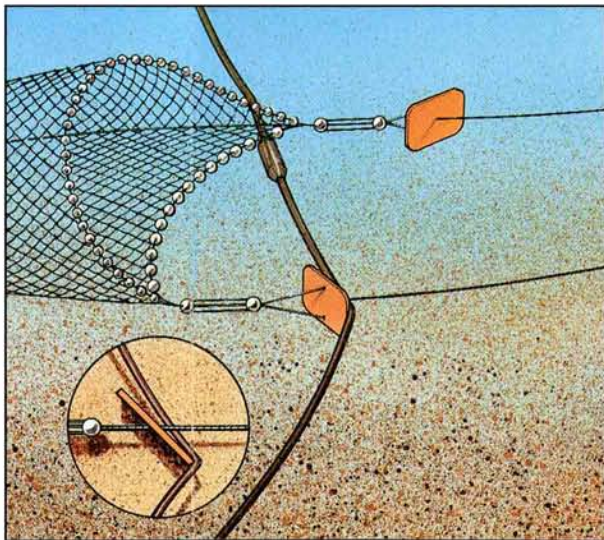
Submarine Cables and the Risk of Snagging

Subsea (submarine) telecommunications cables have been laid on the seabed since the eighteen fifties. Cables installed since 1983 have been buried at the time of installation, as is the Apollo system, with a target burial depth of 0.8 metres. Unfortunately there remains the possibility, in places, of the cable not being buried or becoming unburied. It is not possible to show these areas, thus the entire cable route should be treated with the utmost caution.

The vessels most at risk are those with towed gear, bottom and beam trawls and dredges. Static gear, whilst not entirely free from risk, is less likely to be affected.

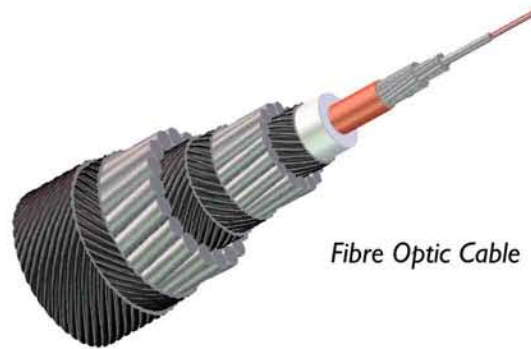
In the event of becoming entangled with the cable there is a high probability of damage to or loss of fishing gear as well as fishing time and catch. If attempts are made to lift the cable to the surface or to pull the gear free there is the very real risk of loss of stability eventually leading to capsize with resultant loss of life.

Trawl door fouling a cable



Submarine Cables and Repair Hazards

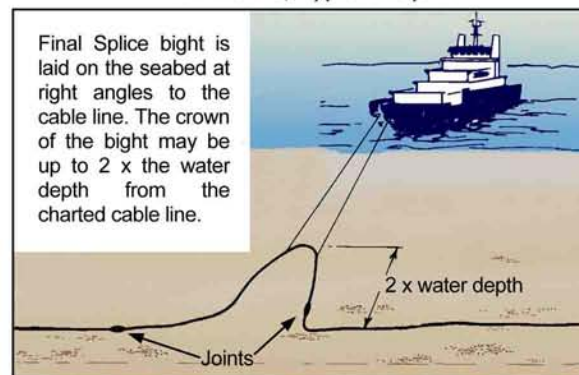
Fibre Optic cable consists of an inner optical core encased within a copper clad high tensile steel wire rope insulated with polyethene. In water less than 1500 meters deep, protection is added against fishing and anchor damage in the form of external steel wire armour. The heaviest form of armoured cable has 70 tons breaking strength.



Fibre Optic Cable

If a cable is broken by fishing, anchoring or other seabed activities it will be repaired. The damaged section is recovered to the surface and a new section spliced in. This spliced area represents a risk to fishermen, there will be slack cable on the seabed equal to approximately twice the water depth and post repair burial is not as effective as installation burial.

Plan View of Typical Repair



How to Reduce the Risks Associated with Submarine Cables

1. Immediately plot the route co-ordinates on your paper charts and/or enter them into your fishing plotter.
2. Avoid fishing directly over the cable route with heavy bottom contact gear.
3. Remember that areas of bare or outcropping rock and where the cable crosses other cables and pipelines, are the areas where the cable is most likely to be least buried.

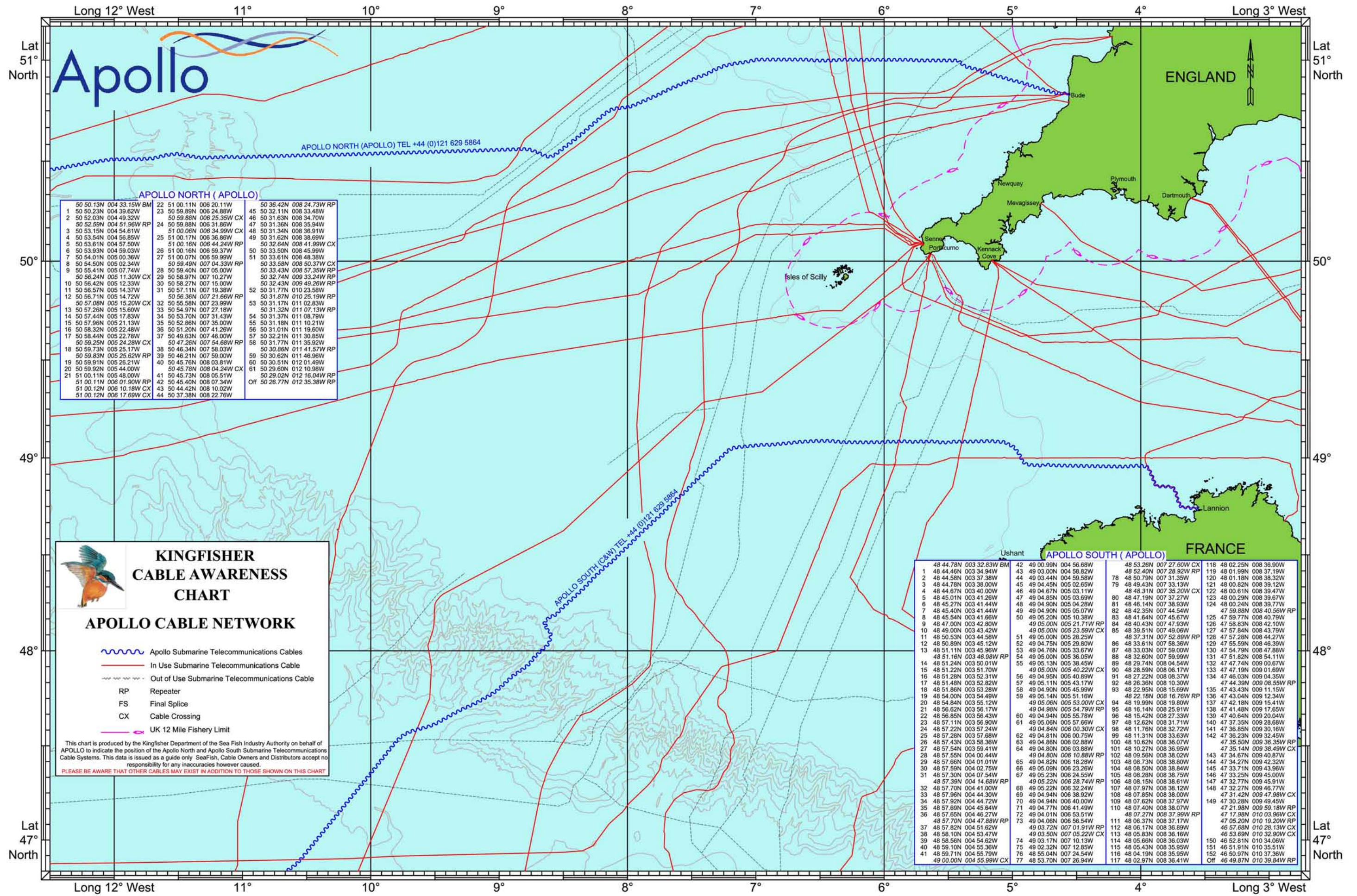
The closer to the surface a telecommunications cable is lifted when fouled by fishing gear, the more danger there is to the fishing vessel

If it is thought prudent to slip or cut one of both warps or bridles in an attempt to clear a cable from the fishing gear, always lower the gear to the seabed first. Never attempt to slip anything bearing excessive weight.

Cable Installation Vessel

Vessel: **CS Ile de Batz**
Call Sign: **FU4966**





APOLLO NORTH (APOLLO)

1 50 50.13N	004 33.15W BM	22 51 00.11N	006 20.11W	50 36.42N	008 24.73W RP
2 50 52.03N	004 39.62W	23 50 59.89N	006 24.88W	45 50 32.11N	008 33.48W
3 50 53.15N	004 54.61W	24 50 59.88N	006 25.35W CX	46 50 31.63N	008 34.70W
4 50 53.54N	004 56.85W	25 51 00.17N	006 36.86W	47 50 31.36N	008 35.94W
5 50 53.81N	004 57.50W	26 51 00.06N	006 34.99W CX	48 50 31.34N	008 36.91W
6 50 53.93N	004 59.03W	27 51 00.16N	006 44.24W RP	49 50 31.62N	008 38.69W
7 50 54.01N	005 00.36W	28 50 59.40N	007 04.33W RP	50 32.64N	008 41.99W CX
8 50 54.50N	005 02.34W	29 50 58.97N	007 10.27W	50 33.50N	008 45.99W
9 50 55.41N	005 07.74W	30 50 58.27N	007 15.00W	51 30 33.61N	008 48.38W
10 50 56.42N	005 11.30W CX	31 50 57.11N	007 19.38W	50 33.58N	008 50.37W CX
11 50 56.57N	005 14.37W	32 50 55.58N	007 23.99W	50 33.43N	008 57.35W RP
12 50 56.71N	005 14.72W	33 50 54.97N	007 27.18W	50 32.74N	009 33.24W RP
13 50 57.26N	005 15.60W	34 50 53.70N	007 31.43W	50 32.43N	009 49.26W RP
14 50 57.44N	005 17.83W	35 50 52.86N	007 35.00W	52 50 31.77N	010 23.58W
15 50 57.96N	005 21.13W	36 50 51.20N	007 41.26W	50 31.87N	010 25.19W RP
16 50 58.32N	005 22.48W	37 50 49.63N	007 46.00W	53 50 31.17N	011 02.83W
17 50 58.44N	005 22.78W	38 50 48.34N	007 58.03W	54 50 31.32N	011 07.13W RP
18 50 59.25N	005 24.28W CX	39 50 46.21N	007 59.00W	55 50 31.37N	011 08.79W
19 50 59.73N	005 25.17W	40 50 45.78N	008 04.24W CX	56 50 31.01N	011 19.60W
20 50 59.83N	005 25.62W RP	41 50 45.73N	008 05.51W	57 50 32.21N	011 30.85W
21 50 59.91N	005 26.21W	42 50 45.40N	008 07.34W	58 50 31.77N	011 35.92W
22 51 00.11N	005 48.00W	43 50 44.42N	008 10.02W	59 30 30.86N	011 41.57W RP
23 51 00.11N	006 01.90W RP	44 50 37.38N	008 22.76W	60 50 30.51N	012 01.49W
24 51 00.12N	006 10.18W CX			61 50 29.60N	012 10.98W
25 51 00.12N	006 17.69W CX			62 50 29.02N	012 16.04W RP
				63 Off	50 26.77N 012 35.38W RP

APOLLO SOUTH (APOLLO)

1 48 44.78N	003 32.83W BM	42 49 00.99N	004 56.68W	88 48 53.26N	007 27.60W CX	118 48 02.25N	008 36.90W
2 48 44.46N	003 34.94W	43 49 03.00N	004 58.82W	89 48 52.40N	007 28.92W RP	119 48 01.99N	008 37.19W
3 48 44.58N	003 37.38W	44 49 03.44N	004 59.58W	90 48 50.79N	007 31.35W	120 48 01.18N	008 38.32W
4 48 44.78N	003 38.00W	45 49 04.45N	005 02.65W	91 48 49.43N	007 33.13W	121 48 00.82N	008 39.12W
5 48 45.01N	003 41.26W	46 49 04.67N	005 03.11W	92 48 48.31N	007 35.20W CX	122 48 00.61N	008 39.47W
6 48 45.27N	003 41.44W	47 49 04.85N	005 03.69W	93 48 47.19N	007 37.27W	123 48 00.29N	008 39.67W
7 48 45.40N	003 41.44W	48 49 04.90N	005 04.28W	94 48 46.14N	007 38.93W	124 48 00.24N	008 39.77W
8 48 45.54N	003 41.66W	49 49 05.20N	005 10.38W	95 48 45.14N	007 40.79W	125 47 59.77N	008 40.79W
9 48 47.00N	003 42.80W	50 49 05.00N	005 10.38W	96 48 44.03N	007 47.93W	126 47 58.83N	008 42.10W
10 48 49.00N	003 43.42W	51 49 05.00N	005 23.59W CX	97 48 43.51N	007 49.06W	127 47 57.94N	008 43.79W
11 48 50.53N	003 44.58W	52 49 05.00N	005 28.25W	98 48 42.35N	007 44.54W	128 47 57.28N	008 44.27W
12 48 50.89N	003 45.12W	53 49 04.75N	005 29.80W	99 48 42.35N	007 44.54W	129 47 55.59N	008 46.39W
13 48 51.16N	003 45.96W	54 49 04.76N	005 33.67W	100 48 41.64N	007 45.77W	130 47 54.79N	008 47.88W
14 48 51.24N	003 50.01W	55 49 05.00N	005 36.05W	101 48 40.43N	007 47.93W	131 47 51.82N	008 54.11W
15 48 51.22N	003 51.70W	56 49 05.00N	005 40.22W CX	102 48 39.59N	007 49.99W	132 47 47.74N	009 00.67W
16 48 51.28N	003 52.31W	57 49 04.95N	005 40.89W	103 48 38.26N	007 52.99W	133 47 47.18N	009 01.69W
17 48 51.48N	003 52.82W	58 49 05.11N	005 43.17W	104 48 37.31N	007 52.89W RP	134 47 46.03N	009 04.35W
18 48 51.86N	003 53.28W	59 49 04.90N	005 45.99W	105 47 44.39N	009 08.55W RP	135 47 43.43N	009 11.15W
19 48 54.00N	003 54.49W	60 49 05.14N	005 51.16W	106 47 42.18N	009 12.34W	136 47 43.04N	009 12.34W
20 48 54.84N	003 55.12W	61 49 05.06N	005 53.00W CX	107 47 42.18N	009 15.41W	137 47 42.18N	009 15.41W
21 48 56.62N	003 56.17W	62 49 04.98N	005 54.79W RP	108 47 41.48N	009 17.65W	138 47 41.48N	009 17.65W
22 48 56.85N	003 56.43W	63 49 04.94N	005 55.73W	109 47 40.64N	009 20.04W	139 47 40.64N	009 20.04W
23 48 57.11N	003 56.90W	64 49 05.06N	005 57.66W	110 47 39.35N	009 22.68W	140 47 37.35N	009 22.68W
24 48 57.22N	003 57.24W	65 49 04.84N	006 00.30W CX	111 47 36.85N	009 30.16W	141 47 36.85N	009 30.16W
25 48 57.28N	003 57.68W	66 49 04.81N	006 00.75W	112 47 35.25N	009 32.45W	142 47 35.25N	009 32.45W
26 48 57.43N	003 58.36W	67 49 04.86N	006 02.88W	113 47 33.50N	009 36.35W RP	143 47 33.50N	009 36.35W RP
27 48 57.54N	003 59.41W	68 49 04.80N	006 03.86W	114 47 32.27N	009 38.49W CX	144 47 32.27N	009 38.49W CX
28 48 57.55N	004 00.44W	69 49 04.80N	006 10.68W RP	115 47 31.47N	009 40.87W	145 47 31.47N	009 40.87W
29 48 57.66N	004 01.01W	70 49 04.82N	006 18.28W	116 47 30.27N	009 42.32W	146 47 30.27N	009 42.32W
30 48 57.59N	004 02.75W	71 49 05.05N	006 23.26W	117 47 29.08N	009 43.96W	147 47 29.08N	009 43.96W
31 48 57.30N	004 07.54W	72 49 05.23N	006 24.55W	118 47 28.28N	009 45.00W	148 47 28.28N	009 45.00W
32 48 57.39N	004 14.68W RP	73 49 05.22N	006 28.74W RP	119 47 27.77N	009 45.91W	149 47 27.77N	009 45.91W
33 48 57.70N	004 41.00W	74 49 05.22N	006 32.24W	120 47 27.07N	009 46.77W	150 47 27.07N	009 46.77W
34 48 57.96N	004 44.30W	75 49 04.94N	006 38.92W	121 47 26.85N	009 47.98W CX	151 47 26.85N	009 47.98W CX
35 48 57.92N	004 44.72W	76 49 04.94N	006 40.00W	122 47 26.62N	009 49.45W	152 47 26.62N	009 49.45W
36 48 57.65N	004 46.27W	77 49 04.77N	006 41.49W	123 47 26.40N	009 51.87W RP	153 47 26.40N	009 51.87W RP
37 48 57.70N	004 47.88W RP	78 49 04.01N	006 53.51W	124 47 27.27N	009 53.99W RP	154 47 27.27N	009 53.99W RP
38 48 57.82N	004 51.62W	79 49 04.06N	006 56.54W	125 47 26.37N	008 37.17W	155 47 26.37N	008 37.17W
39 48 58.10N	004 53.47W	80 49 03.72N	007 01.91W RP	126 48 06.17N	008 36.89W	156 48 06.17N	008 36.89W
40 48 59.10N	004 55.36W	81 49 03.50N	007 05.22W CX	127 48 05.83N	008 36.16W	157 48 05.83N	008 36.16W
41 48 59.71N	004 55.79W	82 49 03.17N	007 10.13W	128 48 05.66N	008 36.03W	158 48 05.66N	008 36.03W
42 49 00.00N	004 55.99W CX	83 49 02.32N	007 12.85W	129 48 05.43N	008 35.95W	159 48 05.43N	008 35.95W
		84 48 55.04N	007 24.54W	130 48 05.07N	008 35.51W	160 48 05.07N	010 37.36W
		85 48 53.70N	007 26.94W	131 48 02.97N	008 36.41W	161 48 02.97N	008 36.41W

KINGFISHER
CABLE AWARENESS
CHART

APOLLO CABLE NETWORK

- ~ Apollo Submarine Telecommunications Cables
- In Use Submarine Telecommunications Cable
- - - Out of Use Submarine Telecommunications Cable
- RP Repeater
- FS Final Splice
- CX Cable Crossing
- UK 12 Mile Fishery Limit

This chart is produced by the Kingfisher Department of the Sea Fish Industry Authority on behalf of APOLLO to indicate the position of the Apollo North and Apollo South Submarine Telecommunications Cable Systems. This data is issued as a guide only. SeaFish, Cable Owners and Distributors accept no responsibility for any inaccuracies however caused.

PLEASE BE AWARE THAT OTHER CABLES MAY EXIST IN ADDITION TO THOSE SHOWN ON THIS CHART

PLEASE KEEP CLEAR OF AND DO NOT DAMAGE SUBMARINE TELEPHONE CABLES THESE CABLES CARRY HIGH VOLTAGES AND CAN BE DANGEROUS TO LIFE IT IS AN OFFENCE TO WILFULLY DAMAGE SUBMARINE CABLES