

# Caledonian JIS Shipboard Cables



## 0.6/1kV

**[FA-] DPY, TPY, FPY, 5PY, 6PY**

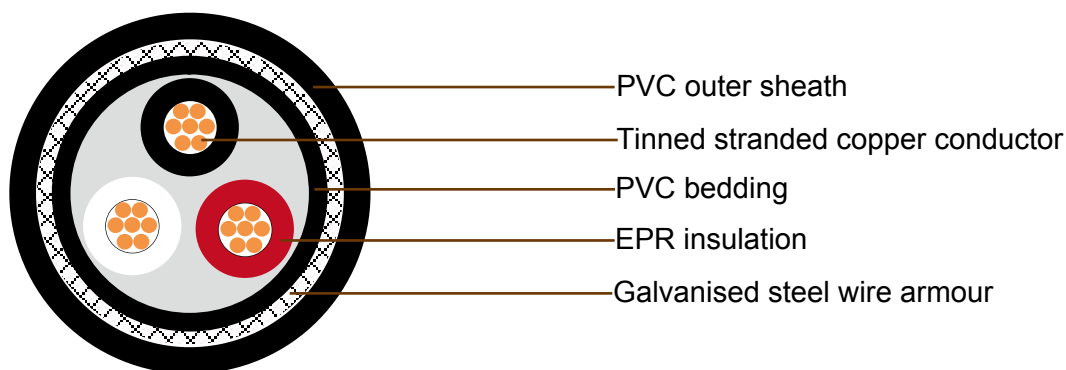
**[FA-] DPYC, TPYC, FPYC, 5PYC, 6PYC**

**[FA-] DPYCY, TPYCY, FPYCY, 5PYCY, 6PYCY**

### Standard

- ▶ JISC 3410-1999
- ▶ IEC 60332-1
- ▶ IEC 60332-3 Cat.A(for FA-type)

### Cable Construction



<b>Conductor</b>	D(T,F,5,6,10)	Tinned annealed stranded copper, class 2 according to IEC 60228
<b>Insulation</b>	P	85°C EPR as per JIS C 3410
<b>Cabling</b>		Insulated conductors shall be cabled. Flame retardant & non-hygroscopic fillers may be used
<b>Bedding</b>	Y	PVC as per JIS C 3410
<b>Armor</b>	C	Galvanized steel wire braid
<b>Sheath</b>	Y	PVC as per JIS C 3410
<b>Core identification</b>		2C Black, White - 3C / 2C+E Black, White, Red/ Black, White, G/Y 4C / 3C+E Black, White, Red, Green /Black, White, Red, G/Y 5C and over Black No. on white insulation /Black No. on white insulation, G/Y
<b>Outer sheath color</b>		Black



# Addison

## JIS Shipboard Cables



### Cable Parameter

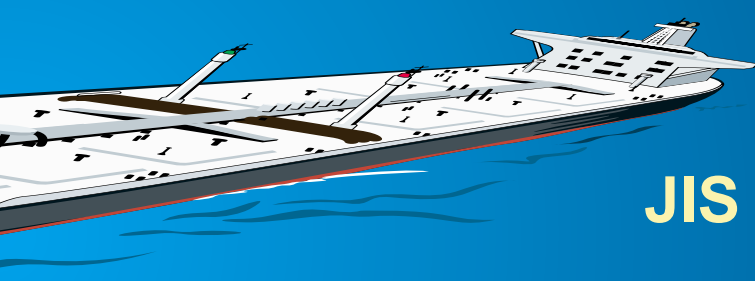
#### 0.6/1KV (FA-) DPY

Conductor			Thick. of insulation	Thick. of bedding	(FA-) DPY		
Size	Construction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1	1.1	10.4	0.5	120
2.5	7/0.67	2.01	1	1.2	11.5	0.5	155
4	7/0.85	2.55	1	1.2	12.6	0.6	200
6	7/1.04	3.12	1	1.3	13.9	0.6	255
10	7/1.35	4.05	1	1.3	15.8	0.7	360
16	7/1.70	5.1	1	1.4	18.1	0.8	515
25	7/2.14	6.42	1.2	1.5	21.7	0.9	770
35	7/2.52	7.56	1.2	1.6	24.2	1	1010
50	19/1.78	8.9	1.4	1.8	28.1	1.2	1360
70	19/2.14	10.7	1.6	2	33.3	1.4	1930
95	19/2.52	12.6	1.6	2.1	37.3	1.6	2550
120	37/2.03	14.2	1.6	2.3	40.9	1.6	3150
150	37/2.25	15.8	1.8	2.4	45	1.7	3840
185	37/2.52	17.6	2	2.6	50	1.9	4780

#### 0.6/1KV (FA-) DPYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-) DPYC		
Size	Construction	O.D				Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1	1.1	0.3	11.7	0.5	205
2.5	7/0.67	2.01	1	1.2	0.3	12.8	0.5	250
4	7/0.85	2.55	1	1.2	0.3	13.9	0.6	300
6	7/1.04	3.12	1	1.3	0.3	15.2	0.6	370
10	7/1.35	4.05	1	1.3	0.3	17.1	0.7	490
16	7/1.70	5.1	1	1.4	0.3	19.4	0.8	660
25	7/2.14	6.42	1.2	1.5	0.3	23	0.9	945
35	7/2.52	7.56	1.2	1.6	0.3	25.5	1	1200
50	19/1.78	8.9	1.4	1.8	0.3	29.4	1.2	1580
70	19/2.14	10.7	1.6	2	0.4	35.1	1.4	2300
95	19/2.52	12.6	1.6	2.1	0.4	39.1	1.6	2960
120	37/2.03	14.2	1.6	2.3	0.4	42.7	1.6	3600
150	37/2.25	15.8	1.8	2.4	0.4	46.8	1.7	4330
185	37/2.52	17.6	2	2.6	0.4	51.8	1.9	5330





# Caledonian JIS Shipboard Cables



## 0.6/1KV (FA-) DPYCY

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) DPYCY		
Size	Const- ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	1	1.1	0.3	0.9	13.7	0.5	260
2.5	7/0.67	2.01	1	1.2	0.3	0.9	14.8	0.6	310
4	7/0.85	2.55	1	1.2	0.3	0.9	15.9	0.6	365
6	7/1.04	3.12	1	1.3	0.3	1	17.4	0.7	445
10	7/1.35	4.05	1	1.3	0.3	1	19.3	0.8	575
16	7/1.70	5.1	1	1.4	0.3	1.1	21.8	0.9	765
25	7/2.14	6.42	1.2	1.5	0.3	1.2	25.6	1	1080
35	7/2.52	7.56	1.2	1.6	0.3	1.2	28.1	1.1	1350
50	19/1.78	8.9	1.4	1.8	0.3	1.3	32.2	1.3	1770
70	19/2.14	10.7	1.6	2	0.4	1.5	38.5	1.5	2570
95	19/2.52	12.6	1.6	2.1	0.4	1.6	42.7	1.6	3280
120	37/2.03	14.2	1.6	2.3	0.4	1.7	46.5	1.7	3970
150	37/2.25	15.8	1.8	2.4	0.4	1.8	50.8	1.8	4750
185	37/2.52	17.6	2	2.6	0.4	1.9	56	1.9	5810

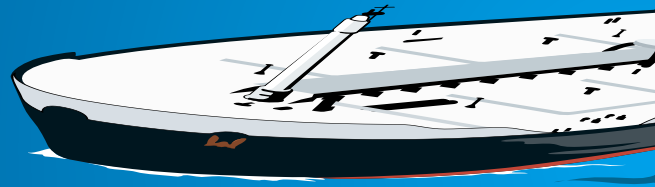
## 0.6/1KV (FA-) TPY

Conductor			Thick. of insulation	Thick. of bedding	(FA-) TPY		
Size	Const- ruction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.2	11.2	0.5	150
2.5	7/0.67	2.01	1.0	1.2	12.2	0.5	195
4	7/0.85	2.55	1.0	1.2	13.4	0.6	255
6	7/1.04	3.12	1.0	1.3	14.8	0.6	335
10	7/1.35	4.05	1.0	1.4	17.0	0.7	485
16	7/1.70	5.1	1.0	1.5	19.5	0.8	700
25	7/2.14	6.42	1.2	1.6	23.4	1.0	1060
35	7/2.52	7.56	1.2	1.7	26.1	1.1	1390
50	19/1.78	8.9	1.4	1.9	30.2	1.3	1870
70	19/2.14	10.7	1.6	2.1	35.8	1.5	2660
95	19/2.52	12.6	1.6	2.2	40.1	1.6	3530
120	37/2.03	14.2	1.6	2.4	44.0	1.7	4370
150	37/2.25	15.8	1.8	2.5	48.4	1.8	5340
185	37/2.52	17.6	2.0	2.7	53.7	1.9	6640
240	61/2.25	20.25	2.2	3.0	60.4	2.3	8880



# Addison

## JIS Shipboard Cables



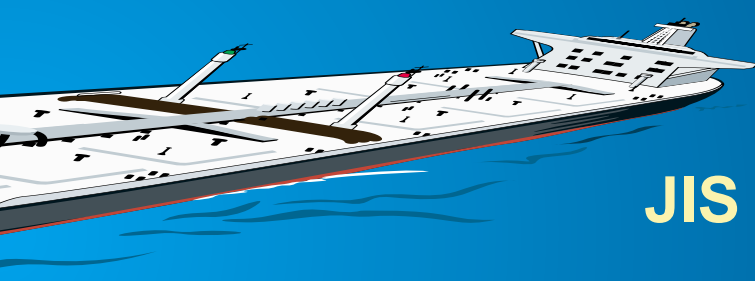
### 0.6/1KV (FA-) TPYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-) TPYC		
Size	Const- ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	1.0	1.2	0.3	12.5	0.5	245
2.5	7/0.67	2.01	1.0	1.2	0.3	13.5	0.5	295
4	7/0.85	2.55	1.0	1.2	0.3	14.7	0.6	365
6	7/1.04	3.12	1.0	1.3	0.3	16.1	0.6	455
10	7/1.35	4.05	1.0	1.4	0.3	18.3	0.7	625
16	7/1.70	5.1	1.0	1.5	0.3	20.8	0.8	855
25	7/2.14	6.42	1.2	1.6	0.3	24.7	1.0	1240
35	7/2.52	7.56	1.2	1.7	0.3	27.4	1.1	1600
50	19/1.78	8.9	1.4	1.9	0.4	32.0	1.3	2200
70	19/2.14	10.7	1.6	2.1	0.4	37.6	1.5	3050
95	19/2.52	12.6	1.6	2.2	0.4	41.9	1.6	3980
120	37/2.03	14.2	1.6	2.4	0.4	45.8	1.7	4860
150	37/2.25	15.8	1.8	2.5	0.4	50.2	1.8	5870
185	37/2.52	17.6	2.0	2.7	0.4	55.5	1.9	7230
240	61/2.25	20.25	2.2	3.0	0.4	62.7	2.3	10100

### 0.6/1KV (FA-) TPYCY

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) TPYCY		
Size	Const- ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.2	0.3	0.9	14.5	0.6	300
2.5	7/0.67	2.01	1.0	1.2	0.3	0.9	15.5	0.6	355
4	7/0.85	2.55	1.0	1.2	0.3	1.0	16.9	0.7	440
6	7/1.04	3.12	1.0	1.3	0.3	1.0	18.3	0.7	535
10	7/1.35	4.05	1.0	1.4	0.3	1.1	20.7	0.8	725
16	7/1.70	5.1	1.0	1.5	0.3	1.1	23.2	0.9	970
25	7/2.14	6.42	1.2	1.6	0.3	1.2	27.3	1.1	1390
35	7/2.52	7.56	1.2	1.7	0.3	1.3	30.2	1.2	1770
50	19/1.78	8.9	1.4	1.9	0.4	1.4	35.0	1.4	2420
70	19/2.14	10.7	1.6	2.1	0.4	1.5	41.0	1.6	3350
95	19/2.52	12.6	1.6	2.2	0.4	1.6	45.5	1.7	4320
120	37/2.03	14.2	1.6	2.4	0.4	1.7	49.6	1.8	5250
150	37/2.25	15.8	1.8	2.5	0.4	1.9	54.2	1.9	6340
185	37/2.52	17.6	2.0	2.7	0.4	2.0	59.7	2.0	7780
240	61/2.25	20.25	2.2	3.0	0.4	2.2	67.2	3.4	10376





# Caledonian JIS Shipboard Cables



## 0.6/1KV (FA-) FPY

Conductor			Thick. of insulation	Thick. of bedding	(FA-) FPY		
Size	Construction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.2	11.8	0.6	230
2.5	7/0.67	2.01	1.0	1.2	12.8	0.6	290
4	7/0.85	2.55	1.0	1.3	14.4	0.7	380
6	7/1.04	3.12	1.0	1.3	15.8	0.8	500
10	7/1.35	4.05	1.0	1.4	18.3	0.9	730
16	7/1.70	5.1	1.0	1.5	21.0	1.1	1050
25	7/2.14	6.42	1.2	1.7	25.7	1.3	1590
35	7/2.52	7.56	1.2	1.8	28.6	1.4	2090
50	19/1.78	8.9	1.4	2.0	33.5	1.7	2810
70	19/2.14	10.7	1.4	2.1	38.1	1.9	3990
95	19/2.52	12.6	1.6	2.4	44.4	2.2	5300
120	37/2.03	14.2	1.6	2.5	48.7	2.4	6560
150	37/2.25	15.8	1.8	2.7	54.0	2.7	8010
185	37/2.52	17.6	2.0	2.9	59.8	3.0	9960

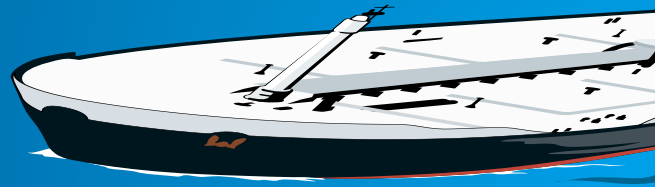
## 0.6/1KV (FA-) FPYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-) FPYC		
Size	Construction	O.D				Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.2	0.3	13.4	0.7	370
2.5	7/0.67	2.01	1.0	1.2	0.3	14.4	0.7	440
4	7/0.85	2.55	1.0	1.3	0.3	16.0	0.8	550
6	7/1.04	3.12	1.0	1.3	0.3	17.4	0.9	680
10	7/1.35	4.05	1.0	1.4	0.3	19.9	1.0	940
16	7/1.70	5.1	1.0	1.5	0.3	22.6	1.1	1280
25	7/2.14	6.42	1.2	1.7	0.3	27.3	1.4	1860
35	7/2.52	7.56	1.2	1.8	0.3	30.2	1.5	2400
50	19/1.78	8.9	1.4	2.0	0.4	35.6	1.8	3300
70	19/2.14	10.7	1.4	2.1	0.4	40.2	2.0	4580
95	19/2.52	12.6	1.6	2.4	0.4	46.5	2.3	5970
120	37/2.03	14.2	1.6	2.5	0.4	50.8	2.5	7290
150	37/2.25	15.8	1.8	2.7	0.4	56.1	2.8	8810
185	37/2.52	17.6	2.0	2.9	0.4	61.9	3.1	10850



# Addison

## JIS Shipboard Cables



### 0.6/1KV (FA-) FPYCY

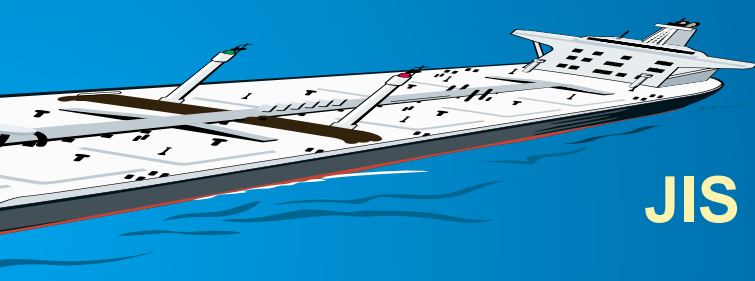
Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) FPYCY		
Size	Construction	O.D					Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	1.0	1.2	0.3	0.9	15.4	0.8	450
2.5	7/0.67	2.01	1.0	1.2	0.3	1.0	16.4	0.8	530
4	7/0.85	2.55	1.0	1.3	0.3	1.0	18.1	0.9	660
6	7/1.04	3.12	1.0	1.3	0.3	1.0	19.6	1.0	800
10	7/1.35	4.05	1.0	1.4	0.3	1.1	22.2	1.1	1090
16	7/1.70	5.1	1.0	1.5	0.3	1.2	25.1	1.3	1460
25	7/2.14	6.42	1.2	1.7	0.3	1.3	30.0	1.5	2090
35	7/2.52	7.56	1.2	1.8	0.3	1.4	33.1	1.7	2660
50	19/1.78	8.9	1.4	2.0	0.4	1.5	38.8	1.9	3630
70	19/2.14	10.7	1.4	2.1	0.4	1.6	43.6	2.2	5030
95	19/2.52	12.6	1.6	2.4	0.4	1.8	50.2	2.5	6480
120	37/2.03	14.2	1.6	2.5	0.4	1.9	54.8	2.7	7880
150	37/2.25	15.8	1.8	2.7	0.4	2.0	60.4	3.0	9510
185	37/2.52	17.6	2.0	2.9	0.4	2.1	66.5	3.3	11670

### 0.6/1KV (FA-) 5PY

Conductor			Thick. of insulation	Thick. of bedding	(FA-) 5PY		
Size	Construction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.2	12.8	0.6	270
2.5	7/0.67	2.01	1.0	1.3	14.2	0.7	340
4	7/0.85	2.55	1.0	1.3	15.7	0.8	440
6	7/1.04	3.12	1.0	1.4	17.5	0.9	570
10	7/1.35	4.05	1.0	1.5	20.2	1.0	840
16	7/1.70	5.1	1.0	1.6	23.2	1.2	1200
25	7/2.14	6.42	1.2	1.8	28.4	1.4	1820
35	7/2.52	7.56	1.2	1.9	31.7	1.6	2390
50	19/1.78	8.9	1.4	2.1	37.1	1.9	3210
70	19/2.14	10.7	1.4	2.3	42.4	2.1	4550
95	19/2.52	12.6	1.6	2.6	49.6	2.5	6050
120	37/2.03	14.2	1.6	2.7	54.1	2.7	7480
150	37/2.25	15.8	1.8	3.0	60.2	3.0	9140
185	37/2.52	17.6	2.0	3.2	66.6	3.3	11360







# Caledonian JIS Shipboard Cables



## 0.6/1KV (FA-) 5PYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-) 5PYC		
Size	Construction	O.D				Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.2	0.3	14.4	0.7	430
2.5	7/0.67	2.01	1.0	1.3	0.3	15.8	0.8	510
4	7/0.85	2.55	1.0	1.3	0.3	17.3	0.9	630
6	7/1.04	3.12	1.0	1.4	0.3	19.1	1.0	780
10	7/1.35	4.05	1.0	1.5	0.3	21.8	1.1	1080
16	7/1.70	5.1	1.0	1.6	0.3	24.8	1.2	1460
25	7/2.14	6.42	1.2	1.8	0.3	30.0	1.5	2130
35	7/2.52	7.56	1.2	1.9	0.4	33.8	1.7	2740
50	19/1.78	8.9	1.4	2.1	0.4	39.2	2.0	3770
70	19/2.14	10.7	1.4	2.3	0.4	44.5	2.2	5230
95	19/2.52	12.6	1.6	2.6	0.4	51.7	2.6	6810
120	37/2.03	14.2	1.6	2.7	0.4	56.2	2.8	8320
150	37/2.25	15.8	1.8	3.0	0.4	62.3	3.1	10050
185	37/2.52	17.6	2.0	3.2	0.4	68.7	3.4	12370

## 0.6/1KV (FA-) 5PYCY

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) 5PYCY		
Size	Construction	O.D					Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.2	0.3	1.0	16.5	0.8	520
2.5	7/0.67	2.01	1.0	1.3	0.3	1.0	17.9	0.9	610
4	7/0.85	2.55	1.0	1.3	0.3	1.0	19.4	1.0	760
6	7/1.04	3.12	1.0	1.4	0.3	1.1	21.5	1.1	920
10	7/1.35	4.05	1.0	1.5	0.3	1.1	24.2	1.2	1250
16	7/1.70	5.1	1.0	1.6	0.3	1.2	27.4	1.4	1670
25	7/2.14	6.42	1.2	1.8	0.3	1.4	33.0	1.7	2390
35	7/2.52	7.56	1.2	1.9	0.4	1.4	36.8	1.8	3040
50	19/1.78	8.9	1.4	2.1	0.4	1.6	42.6	2.1	4140
70	19/2.14	10.7	1.4	2.3	0.4	1.7	48.1	2.4	5740
95	19/2.52	12.6	1.6	2.6	0.4	1.9	55.8	2.8	7390
120	37/2.03	14.2	1.6	2.7	0.4	2.0	60.5	3.0	8990
150	37/2.25	15.8	1.8	3.0	0.4	2.2	67.0	3.4	10850
185	37/2.52	17.6	2.0	3.2	0.4	2.3	73.6	3.7	13310



# Addison

## JIS Shipboard Cables



### 0.6/1KV (FA-) 6PY

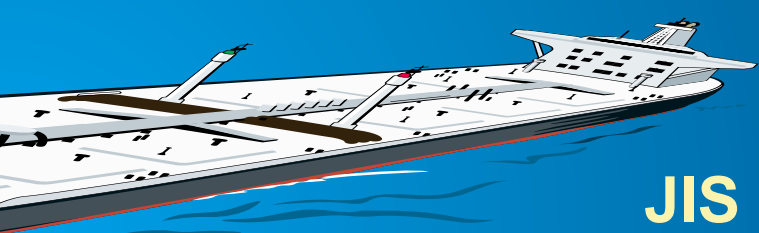
Conductor			Thick. of insulation	Thick. of bedding	(FA-) 6PY		
Size	Const- ruction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.3	14.1	0.7	310
2.5	7/0.67	2.01	1.0	1.3	15.4	0.8	390
4	7/0.85	2.55	1.0	1.4	17.3	0.9	510
6	7/1.04	3.12	1.0	1.4	19.0	1.0	650
10	7/1.35	4.05	1.0	1.6	22.2	1.1	960
16	7/1.70	5.1	1.0	1.7	25.6	1.3	1370
25	7/2.14	6.42	1.2	1.9	31.3	1.6	2080
35	7/2.52	7.56	1.2	2.0	34.9	1.7	2730
50	19/1.78	8.9	1.4	2.2	40.9	2.0	3660
70	19/2.14	10.7	1.4	2.5	47.0	2.4	5190
95	19/2.52	12.6	1.6	2.8	54.9	2.7	6900
120	37/2.03	14.2	1.6	2.9	59.9	3.0	8530
150	37/2.25	15.8	1.8	3.2	66.5	3.3	10420
185	37/2.52	17.6	2.0	3.5	73.9	3.7	12960

### 0.6/1KV (FA-) 6PYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-) 6PYC		
Size	Const- ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	kg/km	
1.5	7/0.53	1.59	1.0	1.3	0.3	15.7	0.8	500
2.5	7/0.67	2.01	1.0	1.3	0.3	17.0	0.9	590
4	7/0.85	2.55	1.0	1.4	0.3	18.9	0.9	720
6	7/1.04	3.12	1.0	1.4	0.3	20.6	1.0	890
10	7/1.35	4.05	1.0	1.6	0.3	23.8	1.2	1240
16	7/1.70	5.1	1.0	1.7	0.3	27.2	1.4	1670
25	7/2.14	6.42	1.2	1.9	0.3	32.9	1.6	2430
35	7/2.52	7.56	1.2	2.0	0.4	37.0	1.9	3130
50	19/1.78	8.9	1.4	2.2	0.4	43.0	2.2	4300
70	19/2.14	10.7	1.4	2.5	0.4	49.1	2.5	5970
95	19/2.52	12.6	1.6	2.8	0.4	57.0	2.9	7770
120	37/2.03	14.2	1.6	2.9	0.4	62.0	3.1	9490
150	37/2.25	15.8	1.8	3.2	0.4	68.6	3.4	11460
185	37/2.52	17.6	2.0	3.5	0.4	76.0	3.8	14110







# Caledonian JIS Shipboard Cables



## 0.6/1KV (FA-) 6PYCY

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) 6PYCY		
Size	Const- ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
mm <sup>2</sup>	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	1.0	1.3	0.3	1.0	17.8	0.9	600
2.5	7/0.67	2.01	1.0	1.3	0.3	1.0	19.1	1.0	700
4	7/0.85	2.55	1.0	1.4	0.3	1.1	21.3	1.1	870
6	7/1.04	3.12	1.0	1.4	0.3	1.1	23.0	1.2	1050
10	7/1.35	4.05	1.0	1.6	0.3	1.2	26.4	1.3	1430
16	7/1.70	5.1	1.0	1.7	0.3	1.3	30.0	1.5	1910
25	7/2.14	6.42	1.2	1.9	0.3	1.4	35.9	1.8	2730
35	7/2.52	7.56	1.2	2.0	0.4	1.5	40.2	2.0	3470
50	19/1.78	8.9	1.4	2.2	0.4	1.7	46.6	2.3	4720
70	19/2.14	10.7	1.4	2.5	0.4	1.8	53.0	2.7	6550
95	19/2.52	12.6	1.6	2.8	0.4	2.0	61.3	3.1	8430
120	37/2.03	14.2	1.6	2.9	0.4	2.2	66.7	3.3	10250
150	37/2.25	15.8	1.8	3.2	0.4	2.3	73.5	3.7	12370
185	37/2.52	17.6	2.0	3.5	0.4	2.5	81.4	4.1	15180