Caledonian

JIS C 3410
Shipboard Cables

Addison

Company Profile

Caledonian. established in 1978.offers one of the most complete lines of fiber and copper cabling system solutions with over hundreds of different cabling system products. . Our superior products provide leading edge within every cable series and for every application.

Among the national and international standards with which our cables could comply are: BS - British Standard; LPCB Fire Performance Standard. ISO Standard etc. Caledonian Cables offers a comprehensive stock of cables and cabling products through its nationwide network of resellers and distributors. Caledonian Cables has continually expanded its global presence in Europe and Asia.

Caledonian & Addison. produces a wide range of cables for communication. power and electronics in its primary plants in UK. Italy and Spain. To stay in front. we continually keep expanding our manufacturing capabilities in more low cost region such as Romania. Taiwan. Malaysia etc. This low-cost manufacturing facilities enable us provide a flexible. scalable global system that delivers superior operational performance and optimal results for our customers.

Our extensive global network of manufacturing facilities gives us significant scale and the flexibility to fulfill our customer requirements. This global presence provides design and consultancy solutions that are combined with core cable manufacturing. logistic services. and vertically integrated with our E commerce technologies. to optimize customer operations by lowering costs and reducing time to market.

Caledonian & Addison has been respected for its high standards of quality. excellent service level. competitive pricing and a unique and innovative spirit. With our latest technologies. we are both inspired and well-positioned to meet the changing needs of our customers. We have the resources to diversify and to enhance our product lines and services. We understand the need for change and with our accurate planning. we are ready for the future and the promise of new marketing opportunities. Our tradition of growth through excellence is assured.

Our Design Centers work closely with customers to constantly improve its standard range of products and technologies and to develop customized. country and industry-specific solutions. Caledonian & Addison has established an extensive network of design. manufacturing. and logistics facilities in the world’s major markets to serve the growing outsourcing needs of both multinational and regional customers.

Our Certificate

ISO 9001
REGISTERED FIRM

Registration Certificate

This document certifies that the administration systems of

Caledonian Cables Limited / Addison Technology Limited

Marchants Industrial Centre, Mill Lane, Laughton, Lewes, Sussex, BN8 6AJ, United Kingdom

have been assessed and approved by QAS International to the following management systems, standards and guidelines:

ISO 9001 : 2008

With the permitted exclusion of clauses 7.3 Design and Development

The approved administration systems apply to the following:

The manufacture and supply of electrical cables and ancillary power equipment to customers internationally.

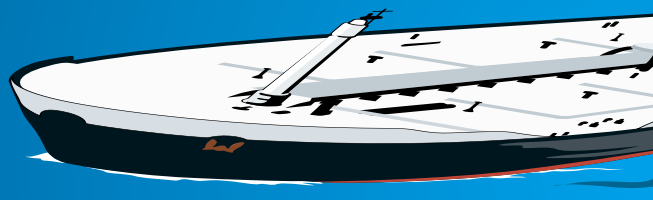
Original Approval	6th September 1997
Current Certificate	7th February 2013
Certificate Expiry	7th February 2014
Certificate Number	A6211

On behalf of QAS International

www.qas-international.com

This certificate remains valid while the holder maintains their quality administration systems in accordance with the standards and guidelines stated above, which will be audited annually by QAS International. The holder is entitled to display the above registration mark for the duration of this certificate. This certificate must be returned to QAS International on reasonable request.

Issuing Office: QAS International, 20A Oxford Street, Malmesbury, Wiltshire, SN16 9AX



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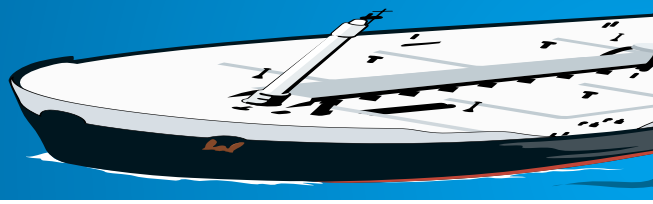


General Description

Symbols of number of core and main use

FA-	Flame retardant (IEC 60332-3 Cat A)
FR-	Fire resistance (IEC 60331)
FRA	Flame retardant & Fire resistant
S	Single core for power and lighting
D	Double core for power and lighting
T	Three core for power and lighting
F	Four core for power and lighting
M	Multi core for control and signal(IEC 60332-3 Cat A & IEC 60331)
TT	Telephone and instrumentation
P	Portable or flexible

Symbols of material

Insulation and Bedding

P : EP Rubber

Y : PVC

C : XLPE

N; PCP

Armoring

C : Steel wire

CB : Copper alloy wire

Others

S : Common shield

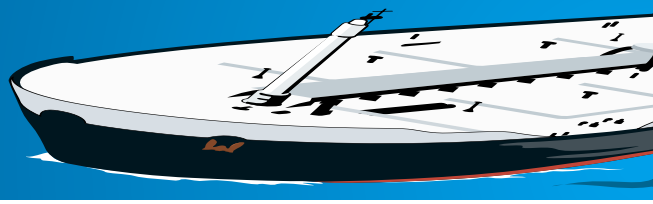
-S : Individual shield

E : Earth wire

Conductor and insulation resistance

Nominal Conductor area	No. of wires and diameter of wires	Approx. diameter	Conductor resistance at 20°C	Insulation resistance at 20°C
mm^2	No. / mm	mm	ohm/ Km	Mohm - Km
0.75	7/0.37	1.1	24.8	1600(1300)
1	7/0.44	1.3	18.2	1500(1200)
1.5	7/0.53	1.6	12.2	1300
2.5	7/0.67	2.1	7.56	1100
4	7/0.85	2.6	4.7	900
6	7/1.04	3.1	3.11	800
10	7/1.35	4.1	1.84	700
16	7/1.70	5.1	1.16	600
25	7/2.14	6.4	0.734	500
35	7/2.52	7.6	0.529	450
50	19/1.78	8.9	0.391	450
70	19/2.14	10.7	0.27	450
95	19/2.52	12.5	0.195	400
120	37/2.03	14.2	0.154	350
150	37/2.25	15.8	0.126	350
185	37/2.52	17.7	0.1	350
240	61/2.25	20.3	0.076	350
300	61/2.52	22.7	0.061	350
400	61/2.85	25.7	0.048	300
500	61/3.20	28.8	0.037	300
630	127/2.52	32.8	0.029	300

Note. the values of ( ) are given for 250V EPR insulated cables

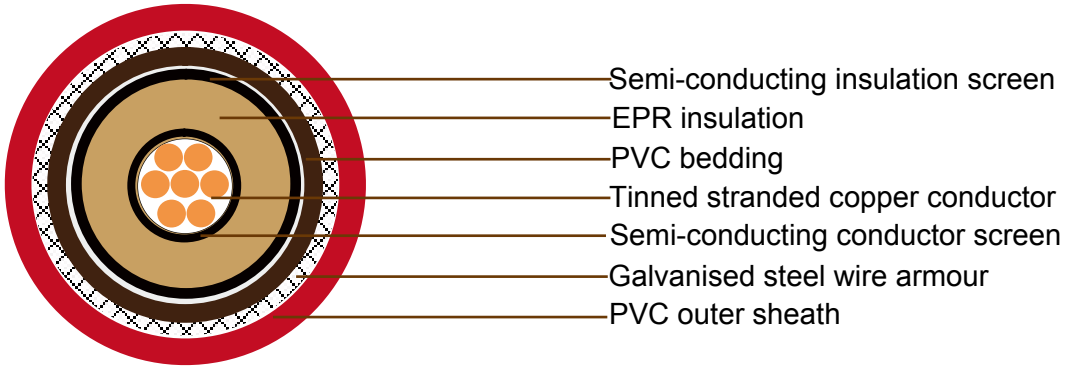


3.6/6KV, 6/10KV, 8.7/15KV
(FA-)SPYC, SPYCB, TPYC
(FA-)SPYCY, SPYCBY, TPYCY

Standard

- JISC 3410-1999
- IEC 60092-350
- IEC 60092-354
- IEC 60332-1
- IEC 60332-3 Cat.A(for FA-type)

Cable Construction



Conductor	T(S)	Tinned annealed stranded copper, class 2 according to IEC 60228
Conductor screen		Semi-conducting compound
Insulation	P	85°C EPR as per IEC 60092-351
Insulation screen		Semi-conducting compound /Tinned copper tape
Filler		Non-hygroscopic material (If necessary)
Bedding	Y	PVC,ST2 type
Armor	C (CB)	Galvanized steel wire braid(-C TYPE) or copper alloy wire braid(-CB TYPE)
Sheath	Y	PVC ST2 type
Core identification		3C Red, Yellow, Blue
Outer sheath color		Red

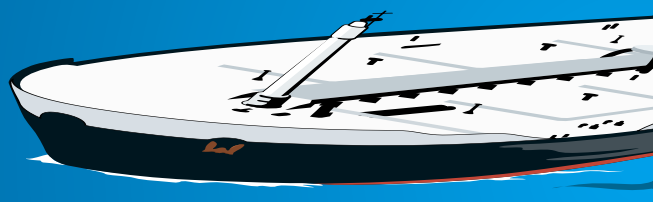
Cable Parameter

3.6/6KV (FA-) SPYC, SPYCB

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) SPYC, SPYCB		
Size	Construction	O.D					Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
10	7/1.35	4.05	2.5	1.3	15.8	0.3	17.4	0.9	480
16	7/1.7	5.1	2.5	1.4	17.1	0.3	18.7	0.9	680
25	7/2.14	6.42	2.5	1.4	18.4	0.3	20	1	830
35	7/2.52	7.56	2.5	1.5	19.8	0.3	21.3	1.1	970
50	19/1.78	8.9	2.5	1.5	21.1	0.3	22.7	1.1	1160
70	19/2.14	10.7	2.5	1.6	23.1	0.3	24.7	1.2	1370
95	19/2.52	12.6	2.5	1.7	25.2	0.3	26.8	1.3	1740
120	37/2.03	14.2	2.5	1.7	26.8	0.3	28.4	1.4	2010
150	37/2.25	15.8	2.5	1.8	28.6	0.3	30.2	1.5	2450
185	37/2.52	17.6	2.5	1.9	30.7	0.4	32.8	1.6	2650
240	61/2.25	20.3	2.6	2	33.7	0.4	35.8	1.8	3200
300	61/2.52	22.7	2.8	2.1	36.8	0.4	38.9	1.9	4150

3.6/6KV (FA-) SPYCY, SPYCBY

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) SPYCY, SPYCBY			
Size	Construction	O.D					Thick.of Sheath	Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
10	7/1.35	4.05	2.5	1.3	15.8	0.3	1.1	19.8	1	580
16	7/1.7	5.1	2.5	1.4	17.1	0.3	1.1	21	1.1	780
25	7/2.14	6.42	2.5	1.4	18.4	0.3	1.1	22.3	1.1	950
35	7/2.52	7.56	2.5	1.5	19.8	0.3	1.1	23.7	1.2	1100
50	19/1.78	8.9	2.5	1.5	21.1	0.3	1.2	25.3	1.3	1300
70	19/2.14	10.7	2.5	1.6	23.1	0.3	1.2	27.3	1.4	1560
95	19/2.52	12.6	2.5	1.7	25.2	0.3	1.3	29.6	1.5	1890
120	37/2.03	14.2	2.5	1.7	26.8	0.3	1.3	31.2	1.6	2200
150	37/2.25	15.8	2.5	1.8	28.6	0.3	1.3	33	1.6	2720
185	37/2.52	17.6	2.5	1.9	30.7	0.4	1.4	35.8	1.8	2870
240	61/2.25	20.3	2.6	2	33.7	0.4	1.5	39	2	3450
300	61/2.52	22.7	2.8	2.1	36.8	0.4	1.5	42.1	2.1	4400

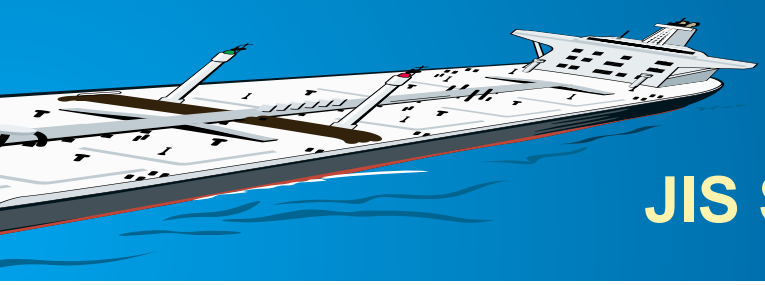


3.6/6KV (FA-)TPYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) TPYC		
Size	Construction	O.D					Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
10	7/1.35	4.05	2.5	1.9	32.4	0.4	34.5	1.7	1180
16	7/1.7	5.1	2.5	2.0	34.8	0.4	36.9	1.8	1680
25	7/2.14	6.42	2.5	2.1	37.9	0.4	40.0	2.0	2130
35	7/2.52	7.56	2.5	2.2	40.6	0.4	42.7	2.1	2550
50	19/1.78	8.9	2.5	2.3	43.7	0.4	45.8	2.3	3130
70	19/2.14	10.7	2.5	2.5	47.9	0.4	50.0	2.5	3750
95	19/2.52	12.6	2.5	2.7	52.3	0.4	54.4	2.7	4880
120	37/2.03	14.21	2.5	2.8	56.1	0.4	58.2	2.9	5690
150	37/2.25	15.75	2.5	2.9	59.7	0.4	61.8	3.1	7100
185	37/2.52	17.64	2.5	3.1	64.1	0.4	66.2	3.3	8600

3.6/6KV (FA-) TPYCY

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) TPYCY			
Size	Construction	O.D					Thick.of Sheath	Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
10	7/1.35	4.05	2.5	1.9	32.4	0.4	1.5	37.6	2.0	1490
16	7/1.7	5.1	2.5	2.0	34.8	0.4	1.5	40.2	2.0	1990
25	7/2.14	6.42	2.5	2.1	37.9	0.4	1.6	43.4	2.2	2480
35	7/2.52	7.56	2.5	2.2	40.6	0.4	1.7	46.2	2.3	2950
50	19/1.78	8.9	2.5	2.3	43.7	0.4	1.7	49.5	2.5	3560
70	19/2.14	10.7	2.5	2.5	47.9	0.4	1.8	53.9	2.7	4310
95	19/2.52	12.6	2.5	2.7	52.3	0.4	2.0	58.6	2.9	5320
120	37/2.03	14.21	2.5	2.8	56.1	0.4	2.1	62.6	3.1	6250
150	37/2.25	15.75	2.5	2.9	59.7	0.4	2.1	66.4	3.3	7820
185	37/2.52	17.64	2.5	3.1	64.1	0.4	2.3	71.0	3.6	9200

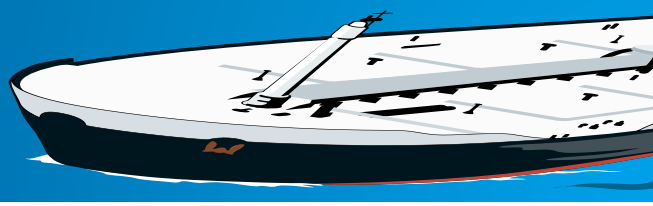


6/10KV (FA-) SPYC, SPYCB

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) SPYC, SPYCB		
Size	Construction	O.D					Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
16	7/1.7	5.1	3.4	1.4	19.0	0.3	20.6	1.0	660
25	7/2.14	6.42	3.4	1.5	20.6	0.3	22.1	1.1	800
35	7/2.52	7.56	3.4	1.5	21.7	0.3	23.3	1.2	990
50	19/1.78	8.9	3.4	1.6	23.2	0.3	24.8	1.2	1200
70	19/2.14	10.7	3.4	1.7	25.3	0.3	26.8	1.3	1460
95	19/2.52	12.6	3.4	1.7	27.2	0.3	28.7	1.4	1800
120	37/2.03	14.21	3.4	1.7	28.8	0.3	30.3	1.5	2100
150	37/2.25	15.75	3.4	1.9	30.7	0.4	32.8	1.6	2600
185	37/2.52	17.64	3.4	1.9	32.6	0.4	34.7	1.7	2750
240	61/2.25	20.25	3.4	2.1	35.7	0.4	37.7	1.9	3300
300	61/2.52	22.68	3.4	2.1	38.1	0.4	40.2	2.0	4300

6/10KV (FA-) SPYCY, SPYCBY

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) SPYCY, SPYCBY			
Size	Construction	O.D					Thick.of Sheath	Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
16	7/1.7	5.1	3.4	1.4	19.0	0.3	1.1	22.9	1.1	870
25	7/2.14	6.42	3.4	1.5	20.6	0.3	1.2	24.7	1.2	980
35	7/2.52	7.56	3.4	1.5	21.7	0.3	1.2	25.8	1.3	1110
50	19/1.78	8.9	3.4	1.6	23.2	0.3	1.2	27.4	1.4	1360
70	19/2.14	10.7	3.4	1.7	25.3	0.3	1.3	29.6	1.5	1720
95	19/2.52	12.6	3.4	1.7	27.2	0.3	1.3	31.5	1.6	2080
120	37/2.03	14.21	3.4	1.7	28.8	0.3	1.4	33.3	1.7	2290
150	37/2.25	15.75	3.4	1.9	30.7	0.4	1.4	35.8	1.8	2810
185	37/2.52	17.64	3.4	1.9	32.6	0.4	1.5	37.9	1.9	2950
240	61/2.25	20.25	3.4	2.1	35.7	0.4	1.5	41.0	2.0	3550
300	61/2.52	22.68	3.4	2.1	38.1	0.4	1.6	43.6	2.2	4550



6/10KV (FA-)TPYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) TPYC		
Size	Construction	O.D					Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
16	7/1.7	5.1	3.4	2.2	39.3	0.4	41.4	2.1	1950
25	7/2.14	6.42	3.4	2.3	42.4	0.4	44.5	2.2	2370
35	7/2.52	7.56	3.4	2.4	45.1	0.4	47.2	2.4	2950
50	19/1.78	8.9	3.4	2.5	48.2	0.4	50.3	2.5	3600
70	19/2.14	10.7	3.4	2.7	52.4	0.4	54.5	2.7	4350
95	19/2.52	12.6	3.4	2.8	56.8	0.4	58.9	2.9	5380
120	37/2.03	14.21	3.4	3.0	60.6	0.4	62.7	3.1	6200
150	37/2.25	15.75	3.4	3.1	64.2	0.4	66.3	3.3	7700
185	37/2.52	17.64	3.4	3.3	68.6	0.4	70.7	3.5	9200

6/10KV (FA-) TPYCY

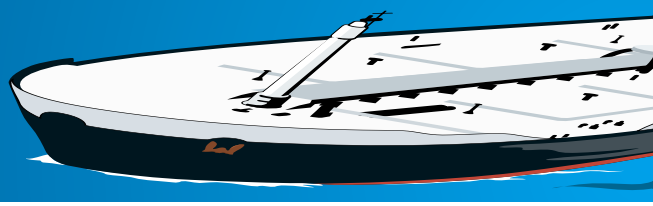
Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) TPYCY			
Size	Construction	O.D					Thick.of Sheath	Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
16	7/1.7	5.1	3.4	2.2	39.3	0.4	1.6	44.9	2.2	2590
25	7/2.14	6.42	3.4	2.3	42.4	0.4	1.7	48.2	2.4	2920
35	7/2.52	7.56	3.4	2.4	45.1	0.4	1.8	51.0	2.5	3330
50	19/1.78	8.9	3.4	2.5	48.2	0.4	1.9	54.3	2.7	4050
70	19/2.14	10.7	3.4	2.7	52.4	0.4	2.0	58.7	2.9	5130
95	19/2.52	12.6	3.4	2.8	56.8	0.4	2.1	63.4	3.2	6210
120	37/2.03	14.21	3.4	3.0	60.6	0.4	2.2	67.3	3.4	6860
150	37/2.25	15.75	3.4	3.1	64.2	0.4	2.3	71.1	3.6	8430
185	37/2.52	17.64	3.4	3.3	68.6	0.4	2.4	75.7	3.8	9990

8.7/15KV (FA-) SPYC, SPYCB

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) SPYC, SPYCB		
Size	Construction	O.D					Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
25	7/2.14	6.42	4.5	1.6	23.1	0.3	24.7	1.2	790
35	7/2.52	7.56	4.5	1.6	24.3	0.3	25.8	1.3	1200
50	19/1.78	8.9	4.5	1.7	25.8	0.3	27.4	1.4	1370
70	19/2.14	10.7	4.5	1.8	27.8	0.3	29.4	1.5	1620
95	19/2.52	12.6	4.5	1.8	29.7	0.3	31.3	1.6	2010
120	37/2.03	14.21	4.5	1.9	31.6	0.4	33.6	1.7	2300
150	37/2.25	15.75	4.5	2.0	33.3	0.4	35.4	1.8	2780
185	37/2.52	17.64	4.5	2.0	35.2	0.4	37.3	1.9	2850
240	61/2.25	20.25	4.5	2.1	38.0	0.4	40.1	2.0	3450
300	61/2.52	22.68	4.5	2.2	40.7	0.4	42.7	2.1	4450

8.7/15KV (FA-) SPYCY, SPYCBY

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) SPYCY, SPYCBY			
Size	Construction	O.D					Thick.of Sheath	Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
25	7/2.14	6.42	4.5	1.6	23.1	0.3	1.2	27.3	1.4	920
35	7/2.52	7.56	4.5	1.6	24.3	0.3	1.3	28.6	1.4	1340
50	19/1.78	8.9	4.5	1.7	25.8	0.3	1.3	30.2	1.5	1550
70	19/2.14	10.7	4.5	1.8	27.8	0.3	1.3	32.2	1.6	1870
95	19/2.52	12.6	4.5	1.8	29.7	0.3	1.4	34.3	1.7	2290
120	37/2.03	14.21	4.5	1.9	31.6	0.4	1.4	36.6	1.8	2600
150	37/2.25	15.75	4.5	2.0	33.3	0.4	1.5	38.6	1.9	3050
185	37/2.52	17.64	4.5	2.0	35.2	0.4	1.5	40.5	2.0	3060
240	61/2.25	20.25	4.5	2.1	38.0	0.4	1.6	43.5	2.2	3690
300	61/2.52	22.68	4.5	2.2	40.7	0.4	1.7	46.4	2.3	4690



8.7/15KV (FA-)TPYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) TPYC		
Size	Construction	O.D					Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
25	7/2.14	6.42	4.5	2.5	48.0	0.4	50.1	2.5	2350
35	7/2.52	7.56	4.5	2.6	50.6	0.4	52.7	2.6	3580
50	19/1.78	8.9	4.5	2.7	53.8	0.4	55.8	2.8	4110
70	19/2.14	10.7	4.5	2.9	58.0	0.4	60.0	3.0	4860
95	19/2.52	12.6	4.5	3.0	62.4	0.4	64.5	3.2	6030
120	37/2.03	14.21	4.5	3.2	66.2	0.4	68.2	3.4	6910
150	37/2.25	15.75	4.5	3.3	69.8	0.4	71.8	3.6	8340
185	37/2.52	17.64	4.5	3.5	74.2	0.4	76.2	3.8	9700

8.7/15KV (FA-) TPYCY

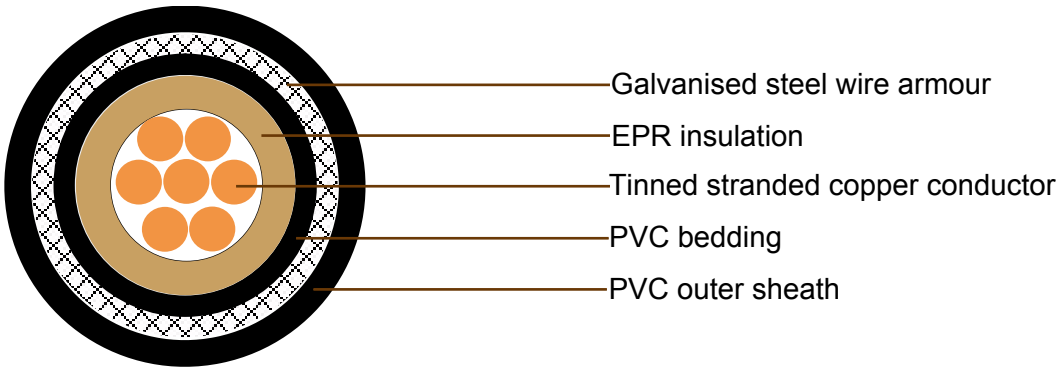
Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) TPYCY			
Size	Construction	O.D					Thick.of Sheath	Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
25	7/2.14	6.42	4.5	2.5	48.0	0.4	1.9	54.0	2.7	2750
35	7/2.52	7.56	4.5	2.6	50.6	0.4	1.9	56.8	2.8	4030
50	19/1.78	8.9	4.5	2.7	53.8	0.4	2.0	60.1	3.0	4640
70	19/2.14	10.7	4.5	2.9	58.0	0.4	2.1	64.5	3.2	5610
95	19/2.52	12.6	4.5	3.0	62.4	0.4	2.2	69.2	3.5	6890
120	37/2.03	14.21	4.5	3.2	66.2	0.4	2.3	73.2	3.7	7820
150	37/2.25	15.75	4.5	3.3	69.8	0.4	2.4	77.0	3.8	9160
185	37/2.52	17.64	4.5	3.5	74.2	0.4	2.5	81.6	4.1	10460

0.6/1kV
(FA-)SPYC, SPYCB
(FA-)SPYCY, SPYCBY

Standard

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

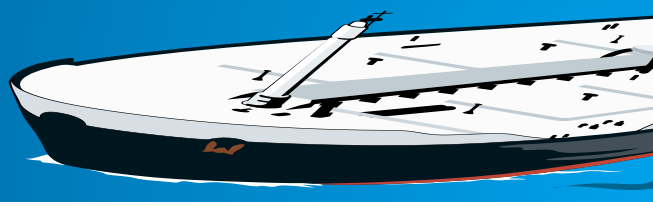
Cable Construction



Conductor	S	Tinned annealed stranded copper, class 2 according to IEC 60228
Insulation	P	85°C EPR as per JIS C 3410
Bedding	Y	PVC as per JIS C 3410
Armor	C (CB)	Galvanized steel wire braid(-C TYPE) or copper alloy wire braid(-CB TYPE)
Sheath	Y	PVC as per JIS C 3410
Outer sheath color		Black

Cable Parameter

(FA-)SPYC, SPYCB



Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) SPYC, SPYCB		
Size	Construction	O.D					Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1.0	1.0	5.9	0.3	7.2	0.4	100
2.5	7/0.67	2.01	1.0	1.0	6.3	0.3	7.8	0.4	120
4	7/0.85	2.55	1.0	1.0	6.9	0.3	8.2	0.4	140
6	7/1.04	3.12	1.0	1.0	7.4	0.3	8.7	0.4	170
10	7/1.35	4.05	1.0	1.1	8.6	0.3	9.9	0.4	225
16	7/1.70	5.1	1.0	1.1	9.6	0.3	10.9	0.4	300
25	7/2.14	6.42	1.2	1.2	11.5	0.3	12.8	0.5	425
35	7/2.52	7.56	1.2	1.2	12.7	0.3	14.0	0.6	535
50	19/1.78	8.9	1.4	1.3	14.6	0.3	15.9	0.6	695
70	19/2.14	10.7	1.6	1.4	17.2	0.3	18.5	0.7	960
95	19/2.52	12.6	1.6	1.5	19.3	0.3	20.6	0.8	1250
120	37/2.03	14.2	1.6	1.5	20.9	0.3	22.2	0.9	1510
150	37/2.25	15.8	1.8	1.6	23.1	0.3	24.4	1.0	1830
185	37/2.52	17.6	2.0	1.7	25.5	0.3	26.8	1.1	2250
240	61/2.25	20.3	2.2	1.8	28.8	0.3	30.1	1.2	2910
300	61/2.52	22..7	2.4	1.9	31.8	0.4	33.6	1.3	3680

(FA-)SPYCY, SPYCBY

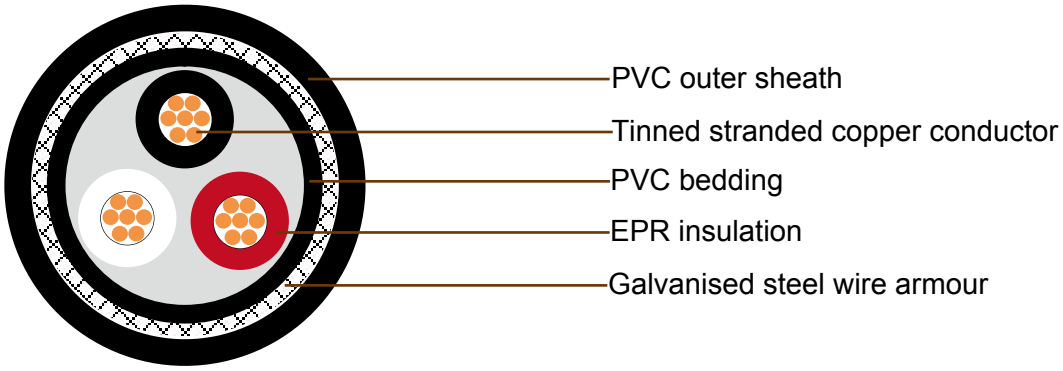
Conductor			Thick. of insulation	Thick. of bedding	Dia. over bedding	Dia. of armor	(FA-) SPYCY, SPYCBY			
Size	Construction	O.D					Thick.of Sheath	Nominal overall dia.	Tolerance	Cable weight (Approx.)
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1.0	1.0	5.9	0.3	0.8	9.0	0.4	135
2.5	7/0.67	2.01	1.0	1.0	6.3	0.3	0.8	9.4	0.4	150
4	7/0.85	2.55	1.0	1.0	6.9	0.3	0.8	10.0	0.4	175
6	7/1.04	3.12	1.0	1.0	7.4	0.3	0.8	10.5	0.4	205
10	7/1.35	4.05	1.0	1.1	8.6	0.3	0.8	11.7	0.5	270
16	7/1.70	5.1	1.0	1.1	9.6	0.3	0.9	12.9	0.5	350
25	7/2.14	6.42	1.2	1.2	11.5	0.3	0.9	14.8	0.6	485
35	7/2.52	7.56	1.2	1.2	12.7	0.3	1.0	16.2	0.6	605
50	19/1.78	8.9	1.4	1.3	14.6	0.3	1.0	18.1	0.7	775
70	19/2.14	10.7	1.6	1.4	17.2	0.3	1.1	20.9	0.8	1060
95	19/2.52	12.6	1.6	1.5	19.3	0.3	1.1	23.0	0.9	1360
120	37/2.03	14.2	1.6	1.5	20.9	0.3	1.2	24.8	1.0	1650
150	37/2.25	15.8	1.8	1.6	23.1	0.3	1.2	27.0	1.1	1980
185	37/2.52	17.6	2.0	1.7	25.5	0.3	1.3	29.6	1.2	2420
240	61/2.25	20.3	2.2	1.8	28.8	0.3	1.4	33.1	1.3	3110
300	61/2.52	22..7	2.4	1.9	31.8	0.4	1.4	36.6	1.5	3910

0.6/1kV
[FA-] DPY, TPY, FPY, 5PY, 6PY
[FA-] DPYC, TPYC, FPYC, 5PYC, 6PYC
[FA-] DPYCY, TPYCY, FPYCY, 5PYCY, 6PYCY

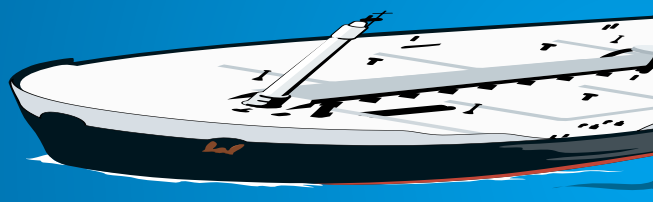
Standard

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

Cable Construction



Conductor	D(T,F,5,6,10)	Tinned annealed stranded copper, class 2 according to IEC 60228
Insulation	P	85°C EPR as per JIS C 3410
Cabling		Insulated conductors shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Bedding	Y	PVC as per JIS C 3410
Armor	C	Galvanized steel wire braid
Sheath	Y	PVC as per JIS C 3410
Core identification		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
Outer sheath color		Black



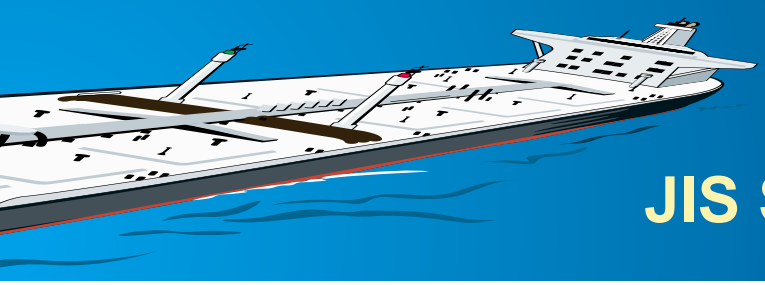
Cable Parameter

0.6/1KV (FA-) DPY

Conductor			Thick. of insulation	Thick. of bedding	(FA-) DPY		
Size	Construction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	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
mm²	No./mm	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

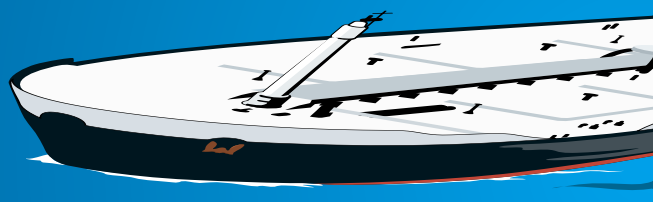


0.6/1KV (FA-) DPYCY

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire		(FA-) DPYCY		
Size	Const-ruction	O.D				Thick. of covering	Nom. overall dia.	Tolerance	Cable Weight
mm²	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
mm²	No./mm	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



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
mm²	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

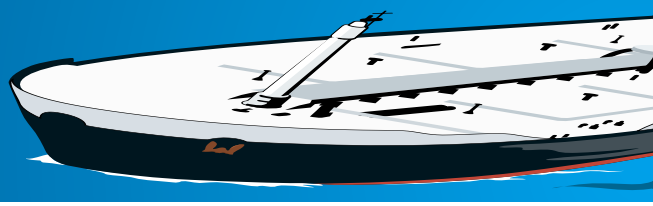
Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) TPYCY		
Size	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	1.0	1.2	0.3	0.9	14.5	0.6	300
2.5	7/0.67	2.01	1.0	1.2	0.3	0.9	15.5	0.6	355
4	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

0.6/1KV (FA-) FPY

Conductor			Thick. of insulation	Thick. of bedding	(FA-) FPY		
Size	Const-ruction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	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	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	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



0.6/1KV (FA-) FPYCY

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) FPYCY		
Size	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
mm²	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

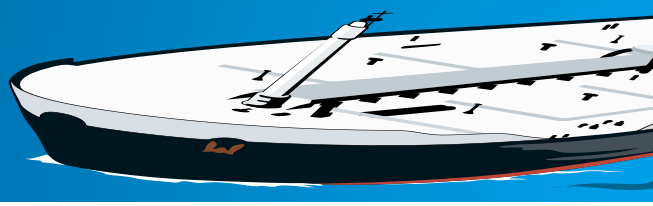
Conductor			Thick. of insulation	Thick. of bedding	(FA-) 5PY		
Size	Const-ruction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	mm	mm	mm	mm	mm	kg/km
1.5	7/0.53	1.59	1.0	1.2	12 8	0.6	270
2.5	7/0.67	2.01	1.0	1.3	14.2	0.7	340
4	7/0.85	2.55	1.0	1.3	15.7	0.8	440
6	7/1.04	3.12	1.0	1.4	17.5	0.9	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

0.6/1KV (FA-) 5PYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-) 5PYC		
Size	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	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	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	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

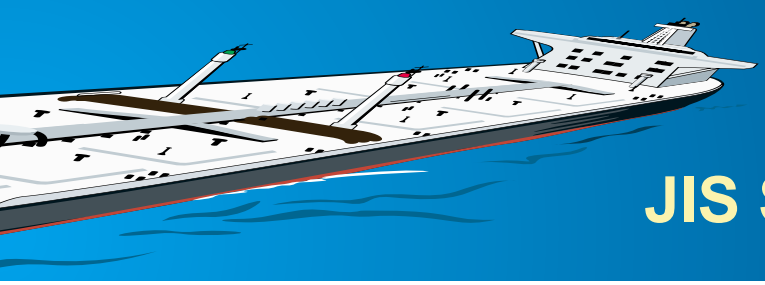


0.6/1KV (FA-) 6PY

Conductor			Thick. of insulation	Thick. of bedding	(FA-) 6PY		
Size	Const-ruction	O.D			Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	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

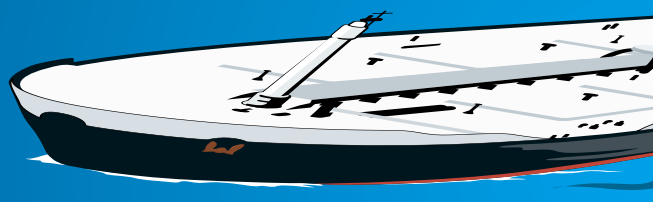
0.6/1KV (FA-) 6PYC

Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-) 6PYC		
Size	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
mm²	No./mm	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



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
mm²	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

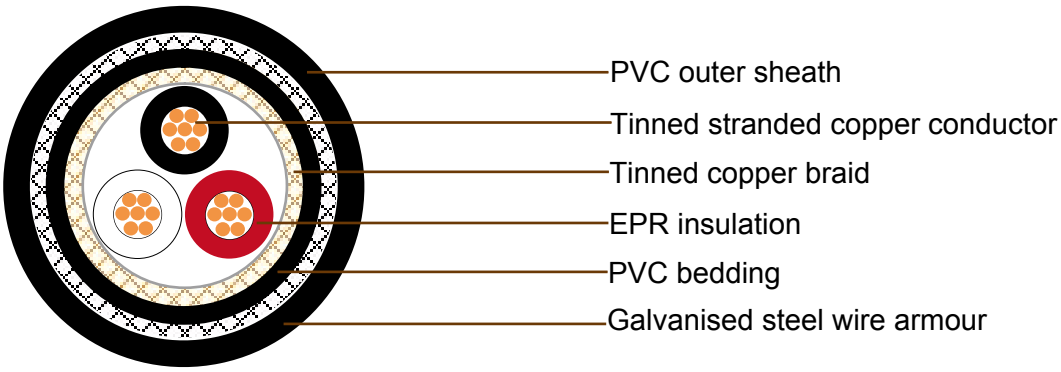


0.6/1kV
[FA-] SPYCS, SPYCBS, DPYCS, TPYCS, FPYCS
[FA-] SPYCYS, SPYCBYS, DPYCYS, TPYCYS, FPYCYS

Standard

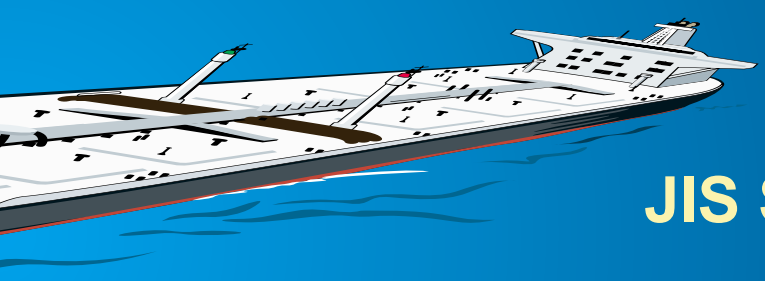
- JISC 3410-1999
- IEC 60332-1
- IEC 60332-3 Cat.A(for FA-type)

Cable Construction



Conductor	S(D,T)	Tinned annealed stranded copper, class 2 according to IEC 60228
Insulation	P	85°C EPR as per JIS C 3410
Cabling		Insulated conductors shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Overall Shield	S	Tinned copper wire braid
Bedding	Y	PVC as per JIS C 3410
Armor	C (CB)	Galvanized steel wire braid(-C TYPE) or copper alloy wire braid(-CB TYPE)
Sheath	Y	PVC as per JIS C 3410
Core identification		1C Black 2C Black, White 3C Black, White, Red
Outer sheath color		Black

Cable Parameter

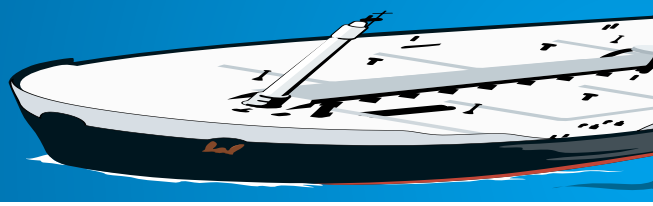


0.6/1KV (FA-) SPYCS, SPYCBS

Conductor			Thick. of insul-ation	Dia. of shield wire	Thick. of bedding	Dia. over bedding	Dia. of armor wire	(FA-) SPYCS, SPYCBS		
Size	Construction	O.D						Nom. overall dia.	Tolerance	Cable weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1	0.12	1	6.4	0.3	8	0.4	110
2.5	7/0.67	2.01	1	0.12	1	6.9	0.3	8.5	0.4	130
4	7/0.85	2.55	1	0.12	1	7.5	0.3	9.1	0.5	150
6	7/1.04	3.12	1	0.14	1	8.1	0.3	9.7	0.5	180
10	7/1.35	4.05	1	0.14	1.1	9.4	0.3	11	0.6	240
16	7/1.70	5.1	1	0.14	1.1	10.4	0.3	12	0.6	320
25	7/2.14	6.42	1.2	0.14	1.2	12.3	0.3	13.9	0.7	450
35	7/2.52	7.56	1.2	0.16	1.2	13.6	0.3	15.2	0.8	550
50	19/1.78	8.9	1.4	0.16	1.3	15.7	0.3	17.3	0.9	710
70	19/2.14	10.7	1.6	0.16	1.4	18.1	0.3	19.7	1	980
95	19/2.52	12.6	1.6	0.16	1.5	20.3	0.3	21.9	1.1	1280
120	37/2.03	14.2	1.6	0.18	1.6	22.2	0.3	23.8	1.2	1570
150	37/2.25	15.8	1.8	0.18	1.6	24.2	0.3	25.8	1.3	1900
185	37/2.52	17.6	2	0.18	1.7	26.6	0.3	28.2	1.4	2310
240	61/2.25	20.3	2.2	0.2	1.8	30.1	0.4	32.2	1.6	2980
300	61/2.52	22.7	2.4	0.2	2	33.4	0.4	35.5	1.8	3750

0.6/1KV (FA-) SPYCYS, SPYCBYS

Conductor			Thick. of insul-ation	Dia. of shield wire	Thick. of bedding	Dia. over bedding	Dia. of armor wire	Thick. of covering	(FA-) SPYCYS, SPYCBYS		
Size	Construction	O.D							Nom. overall dia.	Tolerance	Cable weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1	0.12	1	6.4	0.3	0.8	9.9	0.5	150
2.5	7/0.67	2.01	1	0.12	1	6.9	0.3	0.8	10.6	0.5	160
4	7/0.85	2.55	1	0.12	1	7.5	0.3	0.8	11.2	0.6	185
6	7/1.04	3.12	1	0.14	1	8.1	0.3	0.8	12.1	0.6	220
10	7/1.35	4.05	1	0.14	1.1	9.4	0.3	0.9	13.4	0.7	280
16	7/1.70	5.1	1	0.14	1.1	10.4	0.3	0.9	14.6	0.7	370
25	7/2.14	6.42	1.2	0.14	1.2	12.3	0.3	0.9	16.5	0.8	500
35	7/2.52	7.56	1.2	0.16	1.2	13.6	0.3	1	18	0.9	620
50	19/1.78	8.9	1.4	0.16	1.3	15.7	0.3	1	20.3	1	790
70	19/2.14	10.7	1.6	0.16	1.4	18.1	0.3	1.1	22.9	1.1	1100
95	19/2.52	12.6	1.6	0.16	1.5	20.3	0.3	1.1	21.9	1.1	1400
120	37/2.03	14.2	1.6	0.18	1.6	22.2	0.3	1.2	23.8	1.2	1700
150	37/2.25	15.8	1.8	0.18	1.6	24.2	0.3	1.2	25.8	1.3	2020
185	37/2.52	17.6	2	0.18	1.7	26.6	0.3	1.3	28.2	1.4	2500
240	61/2.25	20.3	2.2	0.2	1.8	30.1	0.4	1.4	32.2	1.6	3200
300	61/2.52	22.7	2.4	0.2	2	33.4	0.4	1.5	35.5	1.8	4000



0.6/1KV (FA-) DPYCS

Conductor			Thick. of insul-ation	Dia. of shield wire	Thick. of bedding	Dia. over bedding	Dia. of steel wire	(FA-) DPYCS		
Size	Construction	O.D						Nom. overall dia.	Tolerance	Cable weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1.0	0.14	1.2	11.3	0.3	12.6	0.5	265
2.5	7/0.67	2.01	1.0	0.14	1.2	12.2	0.3	13.5	0.5	310
4	7/0.85	2.55	1.0	0.16	1.2	13.4	0.3	14.7	0.6	380
6	7/1.04	3.12	1.0	0.16	1.3	14.4	0.3	15.9	0.8	460
10	7/1.35	4.05	1.0	0.16	1.3	16.4	0.3	18.0	0.9	610
16	7/1.70	5.1	1.0	0.16	1.4	18.7	0.3	20.2	1.0	790
25	7/2.14	6.42	1.2	0.18	1.6	22.5	0.3	24.1	1.2	1100
35	7/2.52	7.56	1.2	0.18	1.7	25.0	0.3	26.6	1.3	1400
50	19/1.78	8.9	1.4	0.18	1.8	29.1	0.3	30.6	1.5	1800
70	19/2.14	10.7	1.6	0.2	2.0	34.0	0.4	36.1	1.8	2640
95	19/2.52	12.6	1.6	0.26	2.2	38.7	0.4	40.7	2.0	3410
120	37/2.03	14.2	1.6	0.26	2.3	42.1	0.4	44.2	2.2	3900
150	37/2.25	15.8	1.8	0.18	1.6	24.2	0.3	25.8	1.3	1900
185	37/2.52	17.6	2	0.18	1.7	26.6	0.3	28.2	1.4	2310
240	61/2.25	20.3	2.2	0.2	1.8	30.1	0.4	32.2	1.6	2980
300	61/2.52	22.7	2.4	0.2	2	33.4	0.4	35.5	1.8	3750

0.6/1KV (FA-) DPYCYS

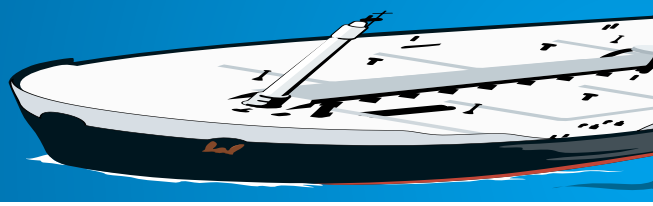
Conductor			Thick. of insul-ation	Dia. of shield wire	Thick. of bedding	Dia. over bedding	Dia. of steel wire	Thick. of covering	(FA-) DPYCYS		
Size	Construction	O.D							Nom. overall dia.	Tolerance	Cable weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1.0	0.14	1.2	11.3	0.3	0.9	14.6	0.6	325
2.5	7/0.67	2.01	1.0	0.14	1.2	12.2	0.3	0.9	15.5	0.6	375
4	7/0.85	2.55	1.0	0.16	1.2	13.4	0.3	1.0	16.9	0.7	455
6	7/1.04	3.12	1.0	0.16	1.3	14.4	0.3	1.0	18.1	0.9	550
10	7/1.35	4.05	1.0	0.16	1.3	16.4	0.3	1.0	20.2	1.0	710
16	7/1.70	5.1	1.0	0.16	1.4	18.7	0.3	1.1	22.6	1.1	910
25	7/2.14	6.42	1.2	0.18	1.6	22.5	0.3	1.2	26.7	1.3	1290
35	7/2.52	7.56	1.2	0.18	1.7	25.0	0.3	1.3	29.3	1.5	1620
50	19/1.78	8.9	1.4	0.18	1.8	29.1	0.3	1.4	33.6	1.7	2030
70	19/2.14	10.7	1.6	0.2	2.0	34.0	0.4	1.5	39.3	2.0	2900
95	19/2.52	12.6	1.6	0.26	2.2	38.7	0.4	1.6	44.2	2.2	3700
120	37/2.03	14.2	1.6	0.26	2.3	42.1	0.4	1.7	47.9	2.4	4320
150	37/2.25	15.8	1.8	0.18	1.6	24.2	0.3	1.2	25.8	1.3	2020
185	37/2.52	17.6	2	0.18	1.7	26.6	0.3	1.3	28.2	1.4	2500
240	61/2.25	20.3	2.2	0.2	1.8	30.1	0.4	1.4	32.2	1.6	3200
300	61/2.52	22.7	2.4	0.2	2	33.4	0.4	1.5	35.5	1.8	4000

0.6/1KV (FA-) TPYCS

Conductor			Thick. of insul-ation	Dia. of shield wire	Thick. of bedding	Dia. over bedding	Dia. of steel wire	(FA-) TPYCS		
Size	Construction	O.D						Nom. overall dia.	Tolerance	Cable weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1.0	0.14	1.2	11.9	0.3	13.2	0.5	305
2.5	7/0.67	2.01	1.0	0.14	1.2	12.9	0.3	14.2	0.6	360
4	7/0.85	2.55	1.0	0.16	1.3	14.4	0.3	15.7	0.6	455
6	7/1.04	3.12	1.0	0.16	1.3	15.3	0.3	16.8	0.8	530
10	7/1.35	4.05	1.0	0.16	1.4	17.5	0.3	19.0	1.0	730
16	7/1.70	5.1	1.0	0.16	1.5	19.8	0.3	21.4	1.1	990
25	7/2.14	6.42	1.2	0.18	1.6	24.0	0.3	25.6	1.3	1400
35	7/2.52	7.56	1.2	0.18	1.7	26.7	0.3	28.2	1.4	1850
50	19/1.78	8.9	1.4	0.2	1.9	31.1	0.3	32.7	1.6	2450
70	19/2.14	10.7	1.6	0.26	2.1	36.6	0.4	38.7	1.9	3350
95	19/2.52	12.6	1.6	0.26	2.3	41.3	0.4	43.4	2.2	4390
120	37/2.03	14.2	1.6	0.26	2.4	45.0	0.4	47.1	2.4	5350
150	37/2.25	15.8	1.8	0.26	2.6	49.8	0.4	51.8	2.6	6100
185	37/2.52	17.6	2.0	0.26	2.8	54.9	0.4	57.0	2.9	7530

0.6/1KV (FA-) TPYCYS

Conductor			Thick. of insul-ation	Dia. of shield wire	Thick. of bedding	Dia. over bedding	Dia. of steel wire	Thick. of covering	(FA-) TPYCYS		
Size	Construction	O.D							Nom. overall dia.	Tolerance	Cable weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1.0	0.14	1.2	11.9	0.3	0.9	15.2	0.6	365
2.5	7/0.67	2.01	1.0	0.14	1.2	12.9	0.3	1.0	16.4	0.7	430
4	7/0.85	2.55	1.0	0.16	1.3	14.4	0.3	1.0	17.9	0.7	535
6	7/1.04	3.12	1.0	0.16	1.3	15.3	0.3	1.0	18.9	1.0	610
10	7/1.35	4.05	1.0	0.16	1.4	17.5	0.3	1.1	21.4	1.1	830
16	7/1.70	5.1	1.0	0.16	1.5	19.8	0.3	1.1	23.8	1.2	1100
25	7/2.14	6.42	1.2	0.18	1.6	24.0	0.3	1.2	28.2	1.4	1550
35	7/2.52	7.56	1.2	0.18	1.7	26.7	0.3	1.3	31.0	1.6	2020
50	19/1.78	8.9	1.4	0.2	1.9	31.1	0.3	1.4	35.7	1.8	2670
70	19/2.14	10.7	1.6	0.26	2.1	36.6	0.4	1.6	42.1	2.1	3650
95	19/2.52	12.6	1.6	0.26	2.3	41.3	0.4	1.7	47.0	2.3	4730
120	37/2.03	14.2	1.6	0.26	2.4	45.0	0.4	1.8	50.9	2.5	5740
150	37/2.25	15.8	1.8	0.26	2.6	49.8	0.4	1.9	55.9	2.8	6570
185	37/2.52	17.6	2.0	0.26	2.8	54.9	0.4	2.0	61.3	3.1	8080



0.6/1KV (FA-) FPYCS

Conductor			Thick. of insul-ation	Dia. of shield wire	Thick. of bedding	Dia. over bedding	Dia. of steel wire	(FA-) FPYCS		
Size	Construction	O.D						Nom. overall dia.	Tolerance	Cable weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1.0	0.14	1.2	12.4	0.3	14.0	0.7	400
2.5	7/0.67	2.01	1.0	0.16	1.2	13.7	0.3	15.3	0.8	480
4	7/0.85	2.55	1.0	0.16	1.3	15.1	0.3	16.7	0.8	600
6	7/1.04	3.12	1.0	0.16	1.4	16.7	0.3	18.3	0.9	740
10	7/1.35	4.05	1.0	0.16	1.4	19.1	0.3	20.7	1.0	1030
16	7/1.70	5.1	1.0	0.18	1.5	22.0	0.3	23.6	1.2	1350
25	7/2.14	6.42	1.2	0.18	1.7	26.5	0.3	28.1	1.4	1950
35	7/2.52	7.56	1.2	0.18	1.8	29.5	0.3	31.1	1.6	2540
50	19/1.78	8.9	1.4	0.20	2.0	34.5	0.4	36.6	1.8	3480
70	19/2.14	10.7	1.4	0.26	2.2	39.5	0.4	41.6	2.1	4750
95	19/2.52	12.6	1.6	0.26	2.4	45.9	0.4	48.0	2.4	6280
120	37/2.03	14.2	1.6	0.26	2.6	50.1	0.4	52.1	2.6	7590
150	37/2.25	15.8	1.8	0.26	2.8	55.3	0.4	57.4	2.9	9150
185	37/2.52	17.6	2.0	0.26	3.0	61.2	0.4	63.2	3.2	11150

0.6/1KV (FA-) FPYCYS

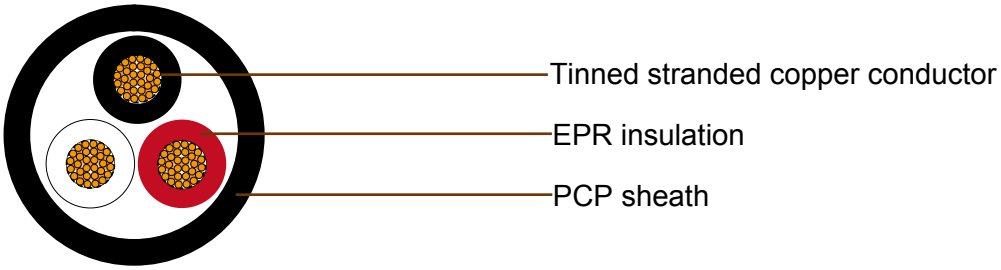
Conductor			Thick. of insul-ation	Dia. of shield wire	Thick. of bedding	Dia. over bedding	Dia. of steel wire	Thick. of covering	(FA-) FPYCYS		
Size	Construction	O.D							Nom. overall dia.	Tolerance	Cable weight
mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Kg / Km
1.5	7/0.53	1.59	1.0	0.14	1.2	12.4	0.3	1.0	16.0	0.8	490
2.5	7/0.67	2.01	1.0	0.16	1.2	13.7	0.3	1.0	17.4	0.9	580
4	7/0.85	2.55	1.0	0.16	1.3	15.1	0.3	1.0	18.9	0.9	720
6	7/1.04	3.12	1.0	0.16	1.4	16.7	0.3	1.1	20.5	1.0	880
10	7/1.35	4.05	1.0	0.16	1.4	19.1	0.3	1.1	23.1	1.2	1190
16	7/1.70	5.1	1.0	0.18	1.5	22.0	0.3	1.2	26.1	1.3	1550
25	7/2.14	6.42	1.2	0.18	1.7	26.5	0.3	1.3	30.9	1.5	2200
35	7/2.52	7.56	1.2	0.18	1.8	29.5	0.3	1.4	34.0	1.7	2780
50	19/1.78	8.9	1.4	0.20	2.0	34.5	0.4	1.5	39.8	2.0	3750
70	19/2.14	10.7	1.4	0.26	2.2	39.5	0.4	1.6	45.1	2.3	5280
95	19/2.52	12.6	1.6	0.26	2.4	45.9	0.4	1.8	51.8	2.6	6750
120	37/2.03	14.2	1.6	0.26	2.6	50.1	0.4	1.9	56.2	2.8	8150
150	37/2.25	15.8	1.8	0.26	2.8	55.3	0.4	2.0	61.8	3.1	1210
185	37/2.52	17.6	2.0	0.26	3.0	61.2	0.4	2.2	67.9	3.4	11980

0.6/1kV
DPNP, TPNP, FPNP

Standard

- JISC 3410-1999
- IEC 60332-1

Cable Construction

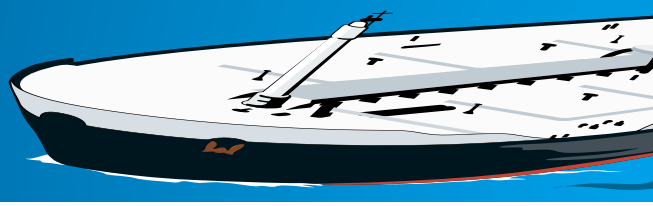


Conductor	D(T,F)	Tinned annealed stranded copper, class 5 according to IEC 60228
Insulation	P	85°C EPR as per JIS C 3410
Cabling		Insulated conductors shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Sheath	NP	PCP as per JIS C 3410
Core identification		2C Black, White 3C Black, White, Red 4C Black, White, Red, Green
Outer sheath color		Black

Cable Parameter

No. of Cores	Conductor			Thick. of insulation	Thick. of Sheath	Nom. overall dia.	Tolerance	Cable Weight
	Size	Construction	O.D					
	mm²	No./mm	mm	mm	mm	mm	mm	kg/km
2	0.75	24/0.20	1.13	1	1.4	9.7	0.4	130
2	1	32/0.20	1.27	1	1.4	9.9	0.4	135
2	1.5	30/0.25	1.58	1	1.5	10.8	0.4	165

JIS Shipboard Cables



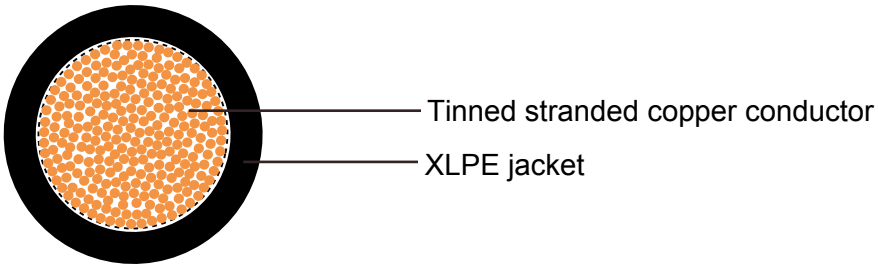
No. of Cores	Conductor			Thick. of insulation	Thick. of Sheath	Nom. overall dia.	Tolerance	Cable Weight
	Size	Construction	O.D					
	mm²	No./mm	mm	mm	mm	mm	mm	kg/km
2	2.5	49/0.25	2.02	1	1.6	11.8	0.5	205
2	4	55/0.30	2.57	1	1.7	13.1	0.5	265
2	6	82/0.30	3.14	1	1.8	14.5	0.6	340
3	0.75	24/0.20	1.13	1	1.4	10.2	0.4	145
3	1	32/0.20	1.27	1	1.5	10.7	0.4	160
3	1.5	30/0.25	1.58	1	1.5	11.4	0.5	190
3	2.5	49/0.25	2.02	1	1.6	12.5	0.5	240
3	4	55/0.30	2.57	1	1.8	14.1	0.6	325
3	6	82/0.30	3.14	1	1.9	15.6	0.6	420
4	0.75	24/0.20	1.13	1	1.5	11.3	0.5	175
4	1	32/0.20	1.27	1	1.6	11.8	0.5	200
4	1.5	30/0.25	1.58	1	1.6	12.2	0.5	225
4	2.5	49/0.25	2.02	1	1.8	14.1	0.6	310
4	4	55/0.30	2.57	1	1.9	15.6	0.6	405
4	6	82/0.30	3.14	1	2	17.2	0.7	525

0.6/1kV
SCP, SYP

Standard

- JISC 3410-1999
- IEC 60332-1

Cable Construction

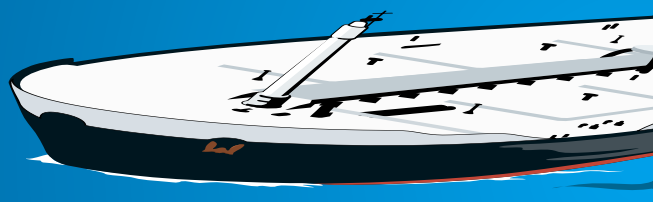


Conductor	S	Bunched tinned annealed stranded copper, class 5 according to IEC 60228
Insulation	CP YP	85°C XLPE/ 75°C PVC as per JIS C 3410

Cable Parameter

SCP

Conductor			Thick. of insulation	Nom. overall dia.	Tolerance	Cable Weight
Size	Construction	O.D				
mm²	No./mm	mm	mm	mm	mm	kg/km
1.5	30/0.25	1.58	0.9	3.7	0.4	26
2.5	49/0.25	2.02	1	4.3	0.4	38
4	55/0.30	2.57	1	4.8	0.4	55
6	82/0.30	3.14	1	5.3	0.4	75
10	80/0.40	4.13	1.1	6.6	0.4	125
16	7/18/0.40	5.88	1.1	8.3	0.4	190
25	7/28/0.40	7.32	1.2	10	0.4	280
35	7/39/0.40	8.67	1.4	11.8	0.5	390
50	19/21/0.40	10.3	1.4	13.4	0.5	550
70	19/19/0.50	12.2	1.6	15.7	0.6	770
95	19/25/0.50	14	1.7	17.7	0.7	1000



SYP

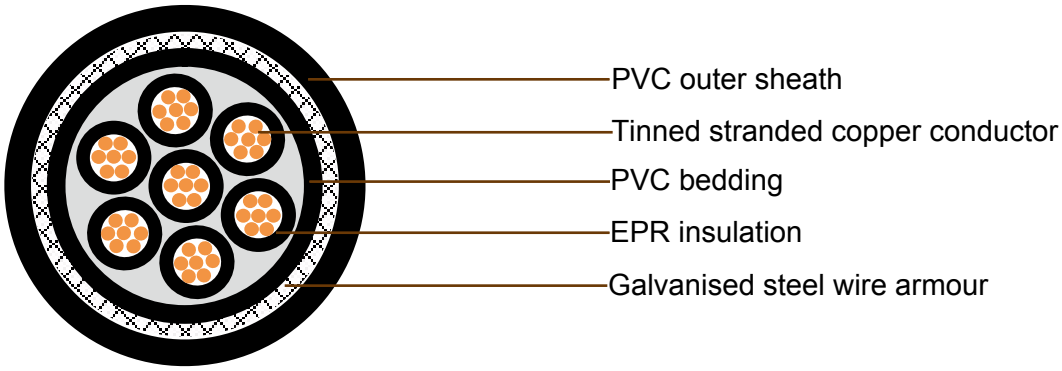
Conductor			Thick. of insulation	Nom. overall dia.	Tolerance	Cable Weight
Size	Construction	O.D				
mm²	No./mm	mm	mm	mm	mm	kg/km
0.75	24/0.20	1.13	1.2	3.8	0.4	21
1	32/0.20	1.27	1.2	3.9	0.4	24
1.5	30/0.25	1.58	1.2	4.2	0.4	30
2.5	49/0.25	2.02	1.2	4.7	0.4	41
4	55/0.30	2.57	1.2	5.2	0.4	60
6	82/0.30	3.14	1.2	5.8	0.4	80
10	80/0.40	4.13	1.2	6.8	0.4	125
16	7/18/0.40	5.88	1.3	8.7	0.4	195

250V
[FA-] MPY, MPYC, MPYCY

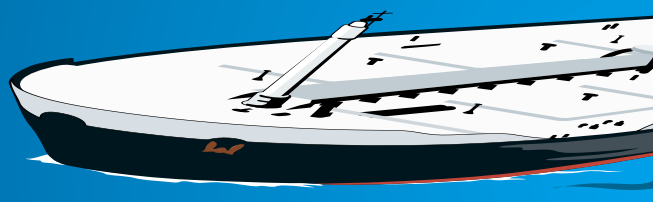
Standard

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

Cable Construction



Conductor	M	Tinned annealed stranded copper, class 2 according to IEC 60228
Insulation	P	85°C EPR as per JIS C 3410
Cabling		Insulated conductors shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Bedding	Y	PVC as per JIS C 3410
Armor	C	Galvanized steel wire braid
Sheath	Y	PVC as per JIS C 3410
Core identification		Black No. on white insulation /Black No. on white insulation, G/Y
Outer sheath color		Black



Cable Parameter

250V (FA-) MPY

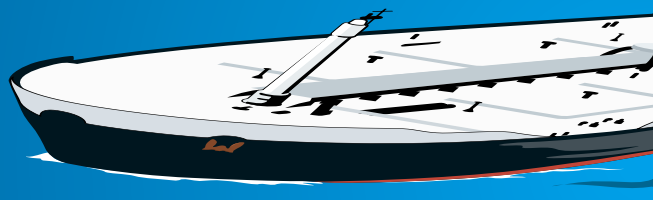
No. of cores	Conductor			Thick. of insulation	Thick. of bedding	(FA-) MPY		
	Size	Const-ruction	O.D			Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	1.1	8.7	0.4	85
4	1	7/0.43	1.29	0.7	1.1	9.9	0.4	125
7	1	7/0.43	1.29	0.7	1.2	11.9	0.5	190
12	1	7/0.43	1.29	0.7	1.3	15.5	0.7	315
19	1	7/0.43	1.29	0.7	1.4	18.3	0.8	465
27	1	7/0.43	1.29	0.7	1.6	22.1	0.9	665
37	1	7/0.43	1.29	0.7	1.7	24.8	1	870
44	1	7/0.43	1.29	0.7	1.8	28	1.2	1160
77	1	7/0.43	1.29	0.7	2.1	35.9	1.5	1790

250V (FA-) MPYC

No. of cores	Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-)MPYC		
	Size	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	1.1	0.3	10	0.4	155
4	1	7/0.43	1.29	0.7	1.1	0.3	11.2	0.4	205
7	1	7/0.43	1.29	0.7	1.2	0.3	13.2	0.5	290
12	1	7/0.43	1.29	0.7	1.3	0.3	16.8	0.7	445
19	1	7/0.43	1.29	0.7	1.4	0.3	19.6	0.8	615
27	1	7/0.43	1.29	0.7	1.6	0.3	23.4	0.9	840
37	1	7/0.43	1.29	0.7	1.7	0.3	26.1	1	1070
44	1	7/0.43	1.29	0.7	1.8	0.3	29.3	1.2	1290
77	1	7/0.43	1.29	0.7	2.1	0.4	37.7	1.5	2180

250V (FA-) MPYCY

No. of cores	Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) MPYCY		
	Size	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	1.1	0.3	0.9	12	0.5	205
4	1	7/0.43	1.29	0.7	1.1	0.3	0.9	13.2	0.5	260
7	1	7/0.43	1.29	0.7	1.2	0.3	0.9	15.2	0.6	350
12	1	7/0.43	1.29	0.7	1.3	0.3	1	19	0.8	530
19	1	7/0.43	1.29	0.7	1.4	0.3	1.1	22	0.9	720
27	1	7/0.43	1.29	0.7	1.6	0.3	1.2	26	1	980
37	1	7/0.43	1.29	0.7	1.7	0.3	1.3	28.9	1.2	1240
44	1	7/0.43	1.29	0.7	1.8	0.3	1.3	32.1	1.3	1470
77	1	7/0.43	1.29	0.7	2.1	0.4	1.5	41.1	1.6	2470

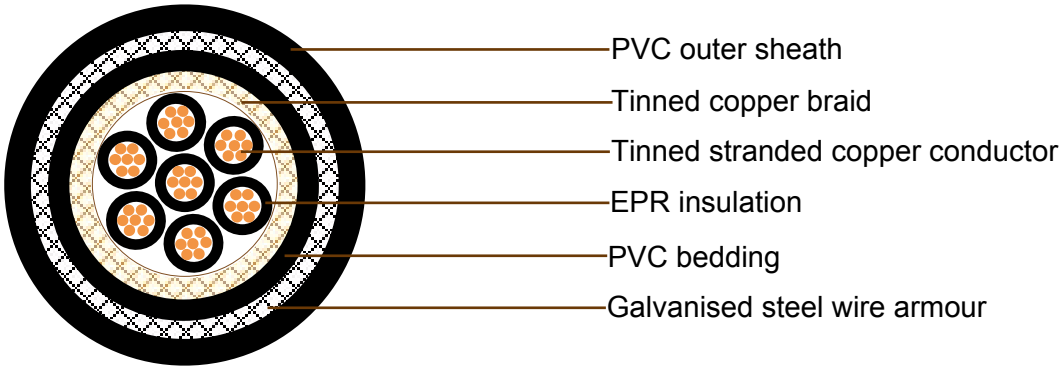


250V
[FA-] MPYS, MPYCS, MPYCYS

Standard

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

Cable Construction



Conductor	M	Tinned annealed stranded copper, class 2 according to IEC 60228
Insulation	P	85°C EPR as per JIS C 3410
Cabling		Insulated conductors shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Overall shield	S	Tinned copper wire braid
Bedding	Y	PVC as per JIS C 3410
Armor	C	Galvanized steel wire braid
Sheath	Y	PVC as per JIS C 3410
Core identification		Black No. on white insulation
Outer sheath color		Black

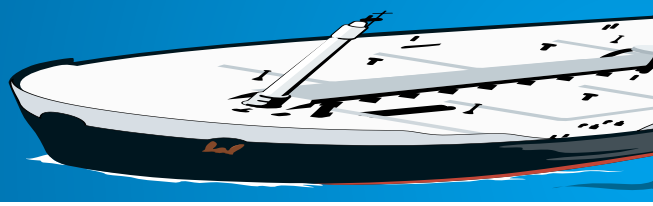
Cable Parameter

250V (FA-) MPYS

No. of cores	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	(FA-) MPYS		
	Size	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	0.14	1.1	9.4	0.4	135
4	1	7/0.43	1.29	0.7	0.14	1.1	10.6	0.5	190
7	1	7/0.43	1.29	0.7	0.14	1.2	12.6	0.6	270
12	1	7/0.43	1.29	0.7	0.16	1.3	16.3	0.7	430
19	1	7/0.43	1.29	0.7	0.16	1.5	19.3	0.8	600
27	1	7/0.43	1.29	0.7	0.18	1.6	23	1	840
37	1	7/0.43	1.29	0.7	0.18	1.7	25.7	1.1	1070
44	1	7/0.43	1.29	0.7	0.18	1.8	28.9	1.2	1290

250V (FA-) MPYCS

No. of cores	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	(FA-)MPYCS		
	Size	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	0.14	1.1	0.3	10.7	0.4	205
4	1	7/0.43	1.29	0.7	0.14	1.1	0.3	11.9	0.5	260
7	1	7/0.43	1.29	0.7	0.14	1.2	0.3	13.9	0.6	355
12	1	7/0.43	1.29	0.7	0.16	1.3	0.3	17.6	0.7	540
19	1	7/0.43	1.29	0.7	0.16	1.5	0.3	20.6	0.8	735
27	1	7/0.43	1.29	0.7	0.18	1.6	0.3	24.3	1	995
37	1	7/0.43	1.29	0.7	0.18	1.7	0.3	27	1.1	1240
44	1	7/0.43	1.29	0.7	0.18	1.8	0.3	30.2	1.2	1480



250V (FA-) MPYCYS

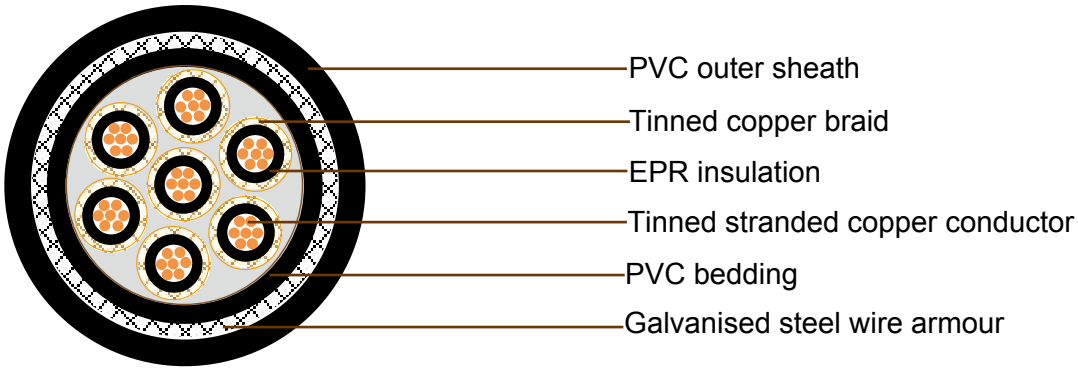
No. of cores	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) MPYCYS		
	Size	Const-ruction	O.D						Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	0.14	1.1	0.3	0.9	12.7	0.5	255
4	1	7/0.43	1.29	0.7	0.14	1.1	0.3	0.9	13.9	0.6	315
7	1	7/0.43	1.29	0.7	0.14	1.2	0.3	0.9	15.9	0.6	420
12	1	7/0.43	1.29	0.7	0.16	1.3	0.3	1	19.8	0.8	625
19	1	7/0.43	1.29	0.7	0.16	1.5	0.3	1.1	23	0.9	850
27	1	7/0.43	1.29	0.7	0.18	1.6	0.3	1.2	26.9	1.1	1140
37	1	7/0.43	1.29	0.7	0.18	1.7	0.3	1.3	29.8	1.2	1410
44	1	7/0.43	1.29	0.7	0.18	1.8	0.3	1.4	33.2	1.3	1680

250V
[FA-] MPY-S, MPYC-S, MPYCY-S

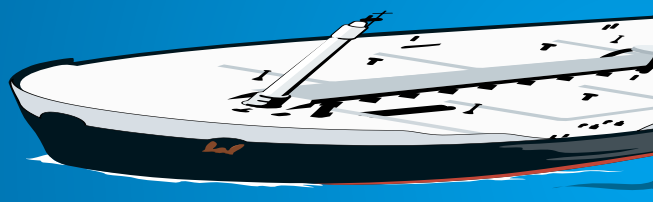
Standard

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

Cable Construction



Conductor	M	Tinned annealed stranded copper, class 2 according to IEC 60228
Insulation	P	85°C EPR as per JIS C 3410
Individual shield	-S	Tinned copper wire braid
Cabling		Insulated conductors shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Bedding	Y	PVC as per JIS C 3410
Armor	C	Galvanized steel wire braid
Sheath	Y	PVC as per JIS C 3410
Core identification		Black No. on white insulation
Outer sheath color		Black



Cable Parameter

250V (FA-) MPY-S

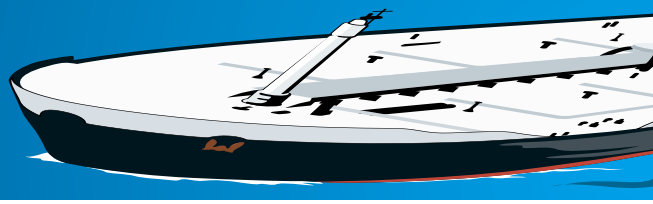
No. of cores	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	(FA-)MPY-S		
	Size	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	0.12	1.1	9.9	0.4	150
4	1	7/0.43	1.29	0.7	0.12	1.2	11.6	0.5	230
7	1	7/0.43	1.29	0.7	0.12	1.3	13.9	0.6	350
12	1	7/0.43	1.29	0.7	0.12	1.4	18.2	0.8	570
19	1	7/0.43	1.29	0.7	0.12	1.5	21.5	0.9	840
27	1	7/0.43	1.29	0.7	0.12	1.7	26	1.1	1200
37	1	7/0.43	1.29	0.7	0.12	1.8	29.2	1.2	1600
44	1	7/0.43	1.29	0.7	0.12	2	33.2	1.4	2000

250V (FA-) MPYC-S

No. of cores	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	(FA-)MPYC-S		
	Size	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	0.12	1.1	0.3	11.2	0.4	210
4	1	7/0.43	1.29	0.7	0.12	1.2	0.3	12.9	0.5	300
7	1	7/0.43	1.29	0.7	0.12	1.3	0.3	15.2	0.6	435
12	1	7/0.43	1.29	0.7	0.12	1.4	0.3	19.5	0.8	685
19	1	7/0.43	1.29	0.7	0.12	1.5	0.3	22.8	0.9	980
27	1	7/0.43	1.29	0.7	0.12	1.7	0.3	27.3	1.1	1360
37	1	7/0.43	1.29	0.7	0.12	1.8	0.3	30.5	1.2	1760
44	1	7/0.43	1.29	0.7	0.12	2	0.4	35	1.4	2240

250V (FA-) MPYCY-S

No. of cores	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) MPYCY-S		
	Size	Const-ruction	O.D						Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	1	7/0.43	1.29	0.7	0.12	1.1	0.3	0.9	13.2	0.5	260
4	1	7/0.43	1.29	0.7	0.12	1.2	0.3	0.9	14.9	0.6	360
7	1	7/0.43	1.29	0.7	0.12	1.3	0.3	1	17.4	0.7	515
12	1	7/0.43	1.29	0.7	0.12	1.4	0.3	1.1	21.9	0.9	795
19	1	7/0.43	1.29	0.7	0.12	1.5	0.3	1.2	25.4	1	1120
27	1	7/0.43	1.29	0.7	0.12	1.7	0.3	1.3	30.1	1.2	1540
37	1	7/0.43	1.29	0.7	0.12	1.8	0.3	1.4	33.5	1.3	1970
44	1	7/0.43	1.29	0.7	0.12	2	0.4	1.5	38.4	1.5	2500

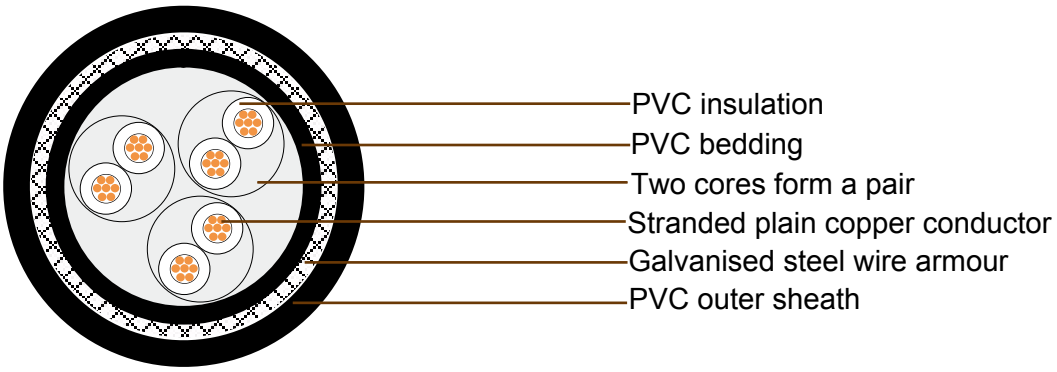


250V
[FA-] TTY, TTYC, TTYCY
[FA-] TTPY, TTPYC, TTPYCY

Standard

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

Cable Construction



Conductor	TT TTP	Tinned annealed stranded copper (TTY-type) Tinned annealed stranded copper (TTPY-type), class 2 according to IEC 60228
Insulation		60°C PVC(TTY-type)/ 85°C EPR(TTPY-type) as per JIS C 3410
Twisting		Two Insulated cores shall be twisted together to form a pair
Cabling		Twisted pairs shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Bedding	Y	PVC as per JIS C 3410
Armor	C	Galvanized steel wire braid
Sheath	Y	PVC as per JIS C 3410
Core identification		Printed pair number and Alphabet letter on the white insulation. ex) 4P : (1A, 1B), (2A, 2B), (3A, 3B), (4A, 4B) - 1T, 1Q cable shall be identified by the black number on the white insulation
Outer sheath color		Black

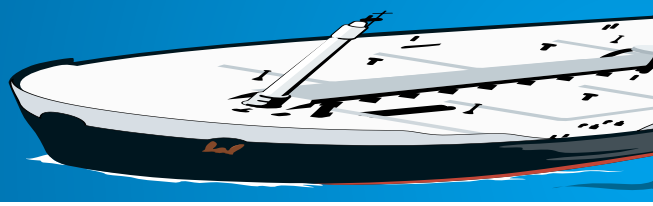
Cable Parameter

(FA-) TTY,TTPY

No.of pair, Triad or Quad	Conductor			Thick. of insulation	Thick. of bedding	(FA-) TTY,TTPY		
	Size	Const-ruction	O.D			Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	kg/km
1	0.75	7/0.37	1.1	0.7	1	7.9	0.4	70
1T	0.75	7/0.37	1.1	0.7	1.1	8.6	0.4	85
1Q	0.75	7/0.37	1.1	0.7	1.1	9.3	0.4	105
2	0.75	7/0.37	1.1	0.7	1.2	12	0.6	105
4	0.75	7/0.37	1.1	0.7	1.3	14.2	0.6	205
7	0.75	7/0.37	1.1	0.7	1.4	16.9	0.7	310
10	0.75	7/0.37	1.1	0.7	1.5	21.7	0.9	465
14	0.75	7/0.37	1.1	0.7	1.6	23.5	1	585
19	0.75	7/0.37	1.1	0.7	1.7	26.4	1.1	755
24	0.75	7/0.37	1.1	0.7	1.9	31.9	1.3	1030
30	0.75	7/0.37	1.1	0.7	2	34	1.4	1220
37	0.75	7/0.37	1.1	0.7	2.1	36.9	1.5	1450
48	0.75	7/0.37	1.1	0.7	2.3	42.8	1.7	1910

(FA-) TTYC,TTPYC

No.of pair, Triad or Quad	Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	(FA-) TTYC,TTPYC		
	Size	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
1	0.75	7/0.37	1.1	0.7	1	0.3	9.2	0.4	130
1T	0.75	7/0.37	1.1	0.7	1.1	0.3	9.9	0.4	155
1Q	0.75	7/0.37	1.1	0.7	1.1	0.3	10.6	0.4	180
2	0.75	7/0.37	1.1	0.7	1.2	0.3	13.6	0.6	180
4	0.75	7/0.37	1.1	0.7	1.3	0.3	15.5	0.6	320
7	0.75	7/0.37	1.1	0.7	1.4	0.3	18.2	0.7	440
10	0.75	7/0.37	1.1	0.7	1.5	0.3	23	0.9	640
14	0.75	7/0.37	1.1	0.7	1.6	0.3	24.8	1	770
19	0.75	7/0.37	1.1	0.7	1.7	0.3	27.7	1.1	965
24	0.75	7/0.37	1.1	0.7	1.9	0.4	33.7	1.3	1380
30	0.75	7/0.37	1.1	0.7	2	0.4	35.8	1.4	1590
37	0.75	7/0.37	1.1	0.7	2.1	0.4	38.7	1.5	1860
48	0.75	7/0.37	1.1	0.7	2.3	0.4	44.6	1.7	2380



(FA-) TTYCY,TTPYCY

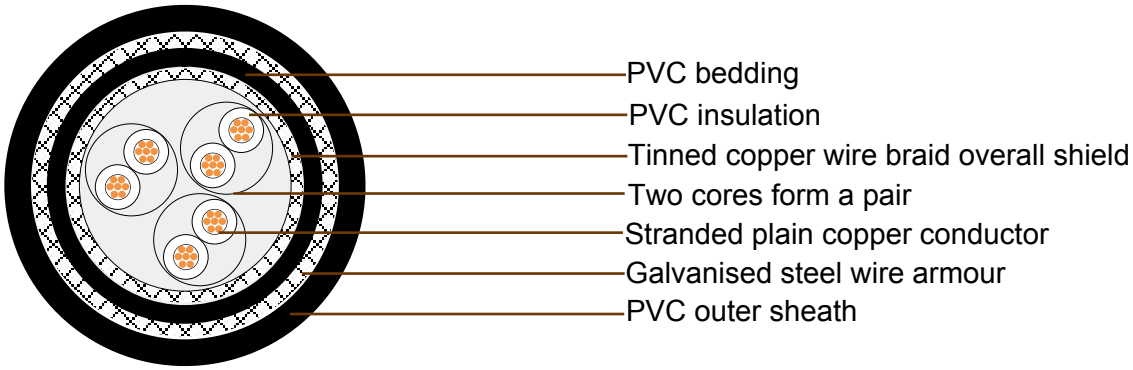
No.of pair, Triad or Quad	Conductor			Thick. of insulation	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) TTYCY,TTPYCY		
	Size	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1	0.75	7/0.37	1.1	0.7	1	0.3	0.8	11	0.4	170
1T	0.75	7/0.37	1.1	0.7	1.1	0.3	0.9	11.7	0.5	205
1Q	0.75	7/0.37	1.1	0.7	1.1	0.3	0.9	12.6	0.5	230
2	0.75	7/0.37	1.1	0.7	1.2	0.3	0.9	15.5	0.7	230
4	0.75	7/0.37	1.1	0.7	1.3	0.3	1	17.7	0.7	400
7	0.75	7/0.37	1.1	0.7	1.4	0.3	1.1	20.6	0.8	545
10	0.75	7/0.37	1.1	0.7	1.5	0.3	1.2	25.6	1	775
14	0.75	7/0.37	1.1	0.7	1.6	0.3	1.2	27.4	1.1	920
19	0.75	7/0.37	1.1	0.7	1.7	0.3	1.3	30.5	1.2	1140
24	0.75	7/0.37	1.1	0.7	1.9	0.4	1.4	36.7	1.5	1610
30	0.75	7/0.37	1.1	0.7	2	0.4	1.5	39.2	1.6	1860
37	0.75	7/0.37	1.1	0.7	2.1	0.4	1.6	42.3	1.6	2170
48	0.75	7/0.37	1.1	0.7	2.3	0.4	1.7	48.4	1.8	2760

250V
[FA-] TTYS, TTYCS, TTYCYS
[FA-] TTPYS, TTPYCS, TTPYCYS

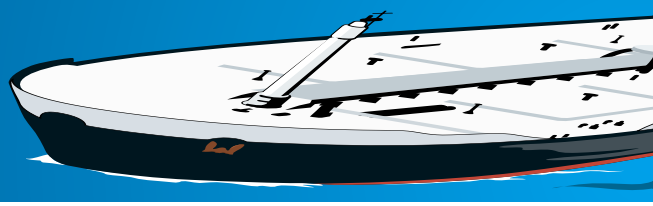
Standard

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

Cable Construction



Conductor	TT TTP	Tinned annealed stranded copper (TTY-type) Tinned annealed stranded copper (TTPY-type), class 2 according to IEC 60228
Insulation		60°C PVC(TTY-type)/ 85°C EPR(TTPY-type) as per JIS C 3410
Twisting		Two Insulated cores shall be twisted together to form a pair
Cabling		Twisted pairs shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Overall shield	S	Tinned copper wire braid
Bedding	Y	PVC as per JIS C 3410
Armor	C	Galvanized steel wire braid
Sheath	Y	PVC as per JIS C 3410
Core identification		Printed pair number and Alphabet letter on the white insulation. ex) 4P : (1A, 1B), (2A, 2B), (3A, 3B), (4A, 4B) - 1T, 1Q cable shall be identified by the black number on the white insulation
Outer sheath color		Black



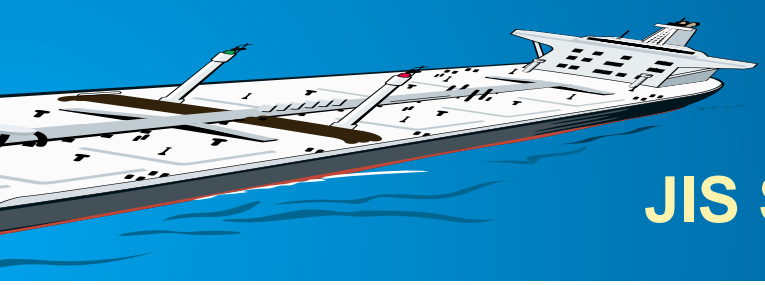
Cable Parameter

(FA-) TTYS,TTPYS

No.of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	(FA-) TTYS,TTPYS		
	Size	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
1	0.75	7/0.37	1.1	0.7	0.14	1.1	8.8	0.4	120
1T	0.75	7/0.37	1.1	0.7	0.14	1.1	9.3	0.4	140
1Q	0.75	7/0.37	1.1	0.7	0.14	1.1	10	0.5	160
2	0.75	7/0.37	1.1	0.7	0.16	1.2	13	0.6	200
4	0.75	7/0.37	1.1	0.7	0.16	1.3	15	0.7	300
7	0.75	7/0.37	1.1	0.7	0.16	1.4	17.7	0.8	420
10	0.75	7/0.37	1.1	0.7	0.18	1.6	22.8	1.0	640
14	0.75	7/0.37	1.1	0.7	0.18	1.6	24.4	1.0	770
19	0.75	7/0.37	1.1	0.7	0.18	1.8	27.5	1.2	970
24	0.75	7/0.37	1.1	0.7	0.2	2	33.1	1.4	1290
30	0.75	7/0.37	1.1	0.7	0.26	2.1	35.5	1.5	1620
37	0.75	7/0.37	1.1	0.7	0.26	2.2	38.4	1.6	1890
48	0.75	7/0.37	1.1	0.7	0.26	2.4	44.3	1.7	2420

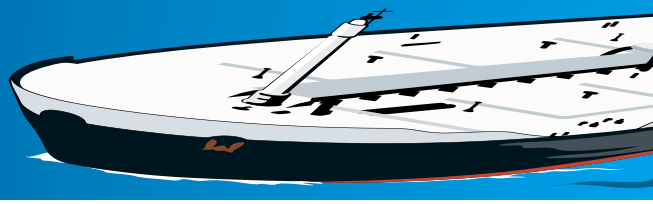
(FA-) TTYCS,TTPYCS

No.of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	(FA-) TTYCS,TTPYCS		
	Size	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1	0.75	7/0.37	1.1	0.7	0.14	1.1	0.3	10.1	0.4	180
1T	0.75	7/0.37	1.1	0.7	0.14	1.1	0.3	10.6	0.4	205
1Q	0.75	7/0.37	1.1	0.7	0.14	1.1	0.3	11.3	0.5	230
2	0.75	7/0.37	1.1	0.7	0.16	1.2	0.3	14.6	0.7	230
4	0.75	7/0.37	1.1	0.7	0.16	1.3	0.3	16.3	0.7	405
7	0.75	7/0.37	1.1	0.7	0.16	1.4	0.3	19	0.7	545
10	0.75	7/0.37	1.1	0.7	0.18	1.6	0.3	24.1	1	800
14	0.75	7/0.37	1.1	0.7	0.18	1.6	0.3	25.7	1	935
19	0.75	7/0.37	1.1	0.7	0.18	1.8	0.3	28.8	1.2	1160
24	0.75	7/0.37	1.1	0.7	0.2	2	0.4	34.9	1.4	1600
30	0.75	7/0.37	1.1	0.7	0.26	2.1	0.4	37.3	1.5	1950
37	0.75	7/0.37	1.1	0.7	0.26	2.2	0.4	40.2	1.6	2250
48	0.75	7/0.37	1.1	0.7	0.26	2.4	0.4	46.1	1.7	2830



(FA-) TTYCYS,TTPYCYS

No.of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) TTYCYS,TTPYCYS		
	Size	Const-ruction	O.D						Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
1	0.75	7/0.37	1.1	0.7	0.14	1.1	0.3	0.9	12.1	0.5	230
1T	0.75	7/0.37	1.1	0.7	0.14	1.1	0.3	0.9	12.6	0.5	255
1Q	0.75	7/0.37	1.1	0.7	0.14	1.1	0.3	0.9	13.3	0.5	285
2	0.75	7/0.37	1.1	0.7	0.16	1.2	0.3	1	16.7	0.7	285
4	0.75	7/0.37	1.1	0.7	0.16	1.3	0.3	1	18.5	0.7	490
7	0.75	7/0.37	1.1	0.7	0.16	1.4	0.3	1.1	21.4	0.9	650
10	0.75	7/0.37	1.1	0.7	0.18	1.6	0.3	1.2	26.7	1.1	945
14	0.75	7/0.37	1.1	0.7	0.18	1.6	0.3	1.2	28.3	1.1	1090
19	0.75	7/0.37	1.1	0.7	0.18	1.8	0.3	1.3	31.6	1.3	1340
24	0.75	7/0.37	1.1	0.7	0.2	2	0.4	1.5	38.3	1.5	1860
30	0.75	7/0.37	1.1	0.7	0.26	2.1	0.4	1.5	40.7	1.6	2230
37	0.75	7/0.37	1.1	0.7	0.26	2.2	0.4	1.6	43.8	1.7	2570
48	0.75	7/0.37	1.1	0.7	0.26	2.4	0.4	1.8	50.1	1.8	3240

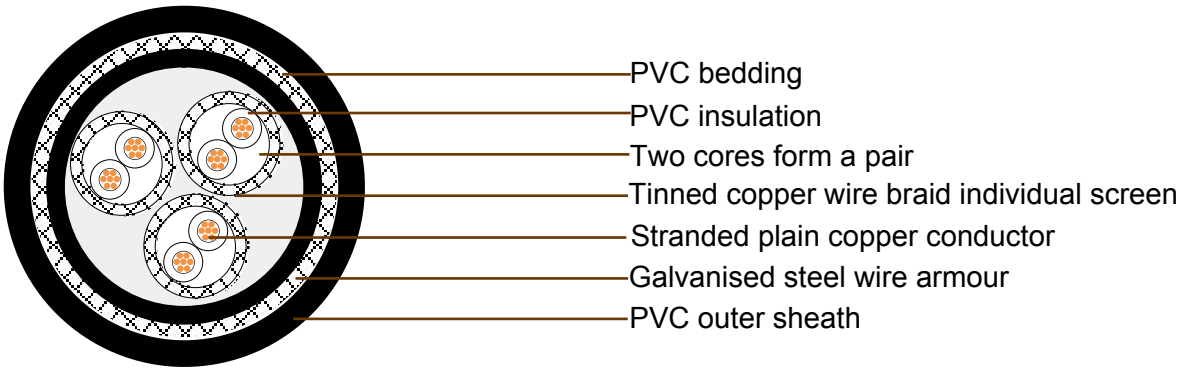


250V
[FA-] TTY-S, TTYC-S, TTYCY-S
[FA-] TTPY-S, TTPYC-S, TTPYCY-S

Standard

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

Cable Construction



Conductor	TT TTP	Tinned annealed stranded copper (TTY-type) Tinned annealed stranded copper (TTPY-type), class 2 according to IEC 60228
Insulation		60°C PVC(TTY-type)/ 85°C EPR(TTPY-type) as per JIS C 3410
Twisting		Two Insulated cores shall be twisted together to form a pair
Individual shield	-S	Tinned copper wire braid
Cabling		Twisted pairs shall be cabled. Flame retardant & non-hygroscopic fillers may be used
Bedding	Y	PVC as per JIS C 3410
Armor	C	Galvanized steel wire braid
Sheath	Y	PVC as per JIS C 3410
Core identification		Printed pair number and Alphabet letter on the white insulation. ex) 4P : (1A, 1B), (2A, 2B), (3A, 3B), (4A, 4B) - 1T, 1Q cable shall be identified by the black number on the white insulation
Outer sheath color		Black

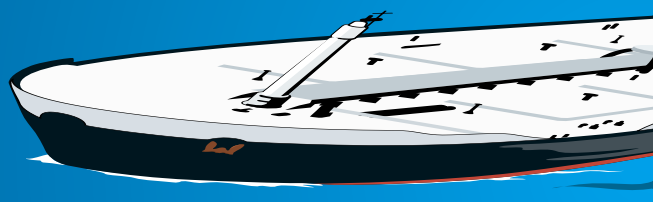
Cable Parameter

(FA-) TTY-S,TTPY-S

No.of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	(FA-) TTY-S,TTPY-S		
	Size	Const-ruction	O.D				Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	kg/km
2	0.75	7/0.37	1.1	0.7	0.14	1.3	14.4	0.6	200
4	0.75	7/0.37	1.1	0.7	0.14	1.4	17.4	0.7	370
7	0.75	7/0.37	1.1	0.7	0.14	1.5	20.9	0.9	550
10	0.75	7/0.37	1.1	0.7	0.14	1.8	27.4	1.1	880
14	0.75	7/0.37	1.1	0.7	0.14	1.8	29.8	1.2	1190
19	0.75	7/0.37	1.1	0.7	0.14	2	33.6	1.4	1470
24	0.75	7/0.37	1.1	0.7	0.14	2.2	39.8	1.6	1930
30	0.75	7/0.37	1.1	0.7	0.14	2.3	42.4	1.7	2280
37	0.75	7/0.37	1.1	0.7	0.14	2.4	46	1.8	2740
48	0.75	7/0.37	1.1	0.7	0.14	2.7	53.3	1.9	3590

(FA-) TTYC-S,TTPYC-S

No.of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	(FA-) TTYC-S,TTPYC-S		
	Size	Const-ruction	O.D					Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	0.75	7/0.37	1.1	0.7	0.14	1.3	0.3	16	0.7	320
4	0.75	7/0.37	1.1	0.7	0.14	1.4	0.3	18.7	0.7	490
7	0.75	7/0.37	1.1	0.7	0.14	1.5	0.3	22.2	0.9	690
10	0.75	7/0.37	1.1	0.7	0.14	1.8	0.3	28.7	1.1	1070
14	0.75	7/0.37	1.1	0.7	0.14	1.8	0.3	31.1	1.2	1400
19	0.75	7/0.37	1.1	0.7	0.14	2	0.4	35.4	1.4	1780
24	0.75	7/0.37	1.1	0.7	0.14	2.2	0.4	41.6	1.6	2300
30	0.75	7/0.37	1.1	0.7	0.14	2.3	0.4	44.2	1.7	2680
37	0.75	7/0.37	1.1	0.7	0.14	2.4	0.4	47.8	1.8	3170
48	0.75	7/0.37	1.1	0.7	0.14	2.7	0.4	55.1	1.9	4090



(FA-) TTYCY-S,TTPYCY-S

No.of pair, Triad or Quad	Conductor			Thick. of insulation	Dia. of shield wire	Thick. of bedding	Dia. of steel wire	Thick. of covering	(FA-) TTYCY-S,TTPYCY-S		
	Size	Const-ruction	O.D						Nom. overall dia.	Tolerance	Cable Weight
	mm²	No./mm	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
2	0.75	7/0.37	1.1	0.7	0.14	1.3	0.3	1	18.1	0.8	375
4	0.75	7/0.37	1.1	0.7	0.14	1.4	0.3	1.1	21.1	0.8	595
7	0.75	7/0.37	1.1	0.7	0.14	1.5	0.3	1.2	24.8	1	825
10	0.75	7/0.37	1.1	0.7	0.14	1.8	0.3	1.3	31.5	1.3	1250
14	0.75	7/0.37	1.1	0.7	0.14	1.8	0.3	1.4	34.1	1.4	1610
19	0.75	7/0.37	1.1	0.7	0.14	2	0.4	1.5	38.8	1.6	2050
24	0.75	7/0.37	1.1	0.7	0.14	2.2	0.4	1.6	45.2	1.7	2640
30	0.75	7/0.37	1.1	0.7	0.14	2.3	0.4	1.7	48	1.8	3060
37	0.75	7/0.37	1.1	0.7	0.14	2.4	0.4	1.8	51.8	1.9	3600
48	0.75	7/0.37	1.1	0.7	0.14	2.7	0.4	2	59.5	2	4630

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