

TWO CORE ALUMINUM PVC INSULATED CABLE

PRODUCT DETAILS

2 Core, Aluminum Conductor, PVC Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 1554 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -5°C to +85°C
- UV Resistance
- RoHS Compliant

TECHNICAL SPECIFICATIONS

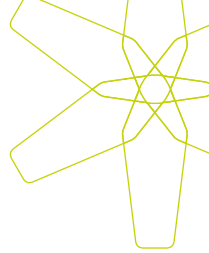
Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	Extruded PVC Type -A, Extruded HR PVC Type -C	IS 5831
Insulation Colour	Red & Black	IS 1554 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Armouring (as applicable)	GS Round Wire GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (AYY)		Flat Strip Armoured Cable (AYFY)			Round Wire Armoured Cable (AYWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	1.0	0.3	1.8	14	-	-	-	1.4	1.24	18	32	27	7.41	8.89
6	1.0	0.3	1.8	17	-	-	-	1.4	1.24	19	40	35	4.61	5.53
10	1.0	0.3	1.8	18	-	-	-	1.4	1.24	20	55	47	3.08	3.70
16	1.0	0.3	1.8	17	4 x 0.80	1.40	18	1.6	1.40	20	70	59	1.91	2.29
25	1.2	0.3	2.0	19	4 x 0.80	1.40	20	1.6	1.40	22	90	78	1.20	1.44
35	1.2	0.3	2.0	21	4 x 0.80	1.40	22	1.6	1.40	23	110	99	0.868	1.04
50	1.4	0.3	2.0	24	4 x 0.80	1.40	25	1.6	1.56	26	135	125	0.641	0.769
70	1.4	0.3	2.0	26	4 x 0.80	1.56	27	1.6	1.56	29	160	150	0.443	0.532
95	1.6	0.4	2.2	30	4 x 0.80	1.56	30	2.0	1.56	33	190	185	0.320	0.384
120	1.6	0.4	2.2	32	4 x 0.80	1.56	32	2.0	1.72	35	210	210	0.253	0.304
150	1.8	0.4	2.4	34	4 x 0.80	1.72	35	2.0	1.72	37	240	240	0.206	0.247
185	2.0	0.5	2.4	38	4 x 0.80	1.88	38	2.0	1.88	41	275	275	0.164	0.197
240	2.2	0.5	2.6	42	4 x 0.80	2.04	43	2.5	2.04	47	320	325	0.125	0.150
300	2.4	0.6	2.8	46	4 x 0.80	2.20	48	2.5	2.20	50	355	365	0.100	0.120
400	2.6	0.7	3.2	52	4 x 0.80	2.36	53	3.15	2.52	58	385	420	0.0778	0.0934
500	3.0	0.7	3.4	54	4 x 0.80	2.68	56	3.15	2.84	64	425	475	0.0605	0.0726
630	3.4	0.7	3.8	65	4 x 0.80	2.84	66	4.0	3.00	72	645	540	0.0469	0.0563



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com



THREE CORE ALUMINUM PVC INSULATED CABLE

PRODUCT DETAILS

3 Core, Aluminum Conductor, PVC Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 1554 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -5°C to +70°C/85°C
- UV Resistance
- RoHS Compliant

TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	Extruded PVC Type -A, Extruded HR PVC Type - C	IS 5831
Insulation Colour	Natural or Red or Yellow, or Blue or Black	IS 1554 Part-1
Inner Sheath	Not Applicable	IS 5831
Armouring (as applicable)	HD Aluminum Round Wire, HD Aluminum Flat Strip	IS 8130
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

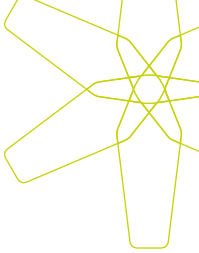
Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (YY)		Flat Strip Armoured Cable (YFY)			Round Wire Armoured Cable (YWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	1.0	0.3	1.8	16	-	-	-	1.4	1.24	18	28	23	7.41	8.89
6	1.0	0.3	1.8	18	-	-	-	1.4	1.24	19	35	30	4.61	5.53
10	1.0	0.3	1.8	19	-	-	-	1.4	1.40	21	46	40	3.08	3.70
16	1.0	0.3	1.8	19	4 x 0.80	1.40	20	1.6	1.40	21	60	51	1.91	2.29
25	1.2	0.3	2.0	22	4 x 0.80	1.40	23	1.6	1.40	23	76	70	1.20	1.44
35	1.2	0.3	2.0	24	4 x 0.80	1.40	24	1.6	1.40	26	92	86	0.868	1.04
50	1.4	0.3	2.0	27	4 x 0.80	1.56	27	1.6	1.56	29	110	105	0.641	0.769
70	1.4	0.4	2.2	30	4 x 0.80	1.56	31	2.0	1.56	33	135	130	0.443	0.532
95	1.6	0.4	2.2	34	4 x 0.80	1.56	35	2.0	1.56	37	165	155	0.320	0.384
120	1.6	0.4	2.2	37	4 x 0.80	1.72	37	2.0	1.72	39	185	180	0.253	0.304
150	1.8	0.5	2.4	40	4 x 0.80	1.88	41	2.0	1.88	43	210	205	0.206	0.247
185	2.0	0.5	2.6	44	4 x 0.80	1.88	46	2.5	2.04	49	235	240	0.164	0.197
240	2.2	0.6	2.8	50	4 x 0.80	2.20	51	2.5	2.20	54	275	280	0.125	0.150
300	2.4	0.6	3.0	55	4 x 0.80	2.36	56	2.5	2.36	59	305	315	0.100	0.120
400	2.6	0.7	3.4	62	4 x 0.80	2.52	63	3.15	2.68	68	335	375	0.0778	0.0934
500	3.0	0.7	3.6	69	4 x 0.80	2.84	70	3.15	2.84	75	370	425	0.0605	0.0726
630	3.4	0.7	4.0	77	4 x 0.80	3.00	78	4.0	3.00	84	405	480	0.0469	0.0563

This document is the property of SVARN No one is to retain, pass on amend or otherwise use this document, unless specially authorized/permitted by Chief Executive Officer of SVARN



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com

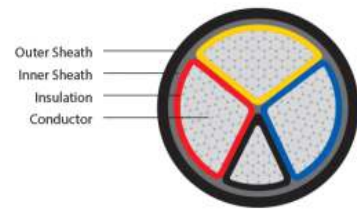


THREE & HALF CORE ALUMINUM PVC INSULATED CABLE

PRODUCT DETAILS

3.5 Core, Aluminum Conductor, PVC Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 1554 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -5°C to +70°C/85°C
- UV Resistance
- RoHS Compliant



TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	Extruded PVC Type -A, Extruded HR PVC Type - C	IS 5831
Insulation Colour	Red, Yellow, Blue & Black	IS 1554 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Armouring (as applicable)	GS Round Wire GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

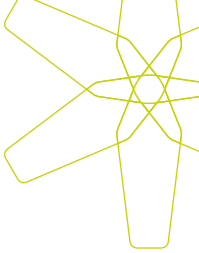
Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (YY)		Flat Strip Armoured Cable (YFY)			Round Wire Armoured Cable (YWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
25 / 16	1.2 / 1.0	0.3	2.0	24	4 x 0.80	1.40	24	1.6	1.40	26	76	70	1.20 / 1.91	1.44
35 / 16	1.2 / 1.0	0.3	2.0	26	4 x 0.80	1.40	26	1.6	1.40	28	92	86	0.868 / 1.91	1.04
50 / 25	1.4 / 1.2	0.3	2.0	29	4 x 0.80	1.56	30	2.0	1.56	31	110	105	0.641 / 1.20	0.769
70 / 35	1.4 / 1.2	0.4	2.2	32	4 x 0.80	1.56	34	2.0	1.56	36	135	130	0.443 / 0.868	0.532
95 / 50	1.6 / 1.4	0.4	2.2	36	4 x 0.80	1.56	37	2.0	1.72	39	165	155	0.320 / 0.641	0.384
120 / 70	1.6 / 1.4	0.5	2.4	40	4 x 0.80	1.72	41	2.0	1.88	43	185	185	0.253 / 0.443	0.304
150 / 70	1.8 / 1.4	0.5	2.4	44	4 x 0.80	1.88	45	2.0	1.88	47	210	205	0.206 / 0.443	0.247
185 / 95	2.0 / 1.6	0.5	2.6	48	4 x 0.80	2.04	49	2.5	2.04	53	235	240	0.164 / 0.320	0.197
240 / 120	2.2 / 1.6	0.6	3.0	54	4 x 0.80	2.20	55	2.5	2.36	58	275	280	0.125 / 0.253	0.150
300 / 150	2.4 / 1.8	0.6	3.2	62	4 x 0.80	2.36	61	3.15	2.52	65	305	315	0.100 / 0.206	0.120
400 / 185	2.6 / 2.0	0.7	3.4	68	4 x 0.80	2.68	69	3.15	2.68	75	335	375	0.0778 / 0.164	0.0934
500 / 240	3.0 / 2.2	0.7	3.8	77	4 x 0.80	2.84	77	4.0	3.0	84	370	425	0.0605 / 0.125	0.0726
630 / 300	3.4 / 2.4	0.7	4.0	87	4 x 0.80	3.00	87	4.0	3.0	92	405	480	0.0469 / 0.100	0.0563

This document is the property of SVARN No one is to retain, pass on amend or otherwise use this document, unless specially authorized/permitted by Chief Executive Officer of SVARN



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com



FOUR CORE ALUMINUM PVC INSULATED CABLE

PRODUCT DETAILS

4 Core, Aluminum Conductor, PVC Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 1554 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -5°C to +70°C/85°C
- UV Resistance
- RoHS Compliant

TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	Extruded PVC Type -A, Extruded HR PVC Type - C	IS 5831
Insulation Colour	Red, Yellow, Blue & Black	IS 1554 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Armouring (as applicable)	GS Round Wire, GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

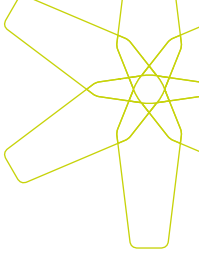
Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (AYY)		Flat Strip Armoured Cable (AYFY)			Round Wire Armoured Cable (AYWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	1.0	0.3	1.8	16	-	-	-	1.4	1.24	18	28	23	7.41	8.89
6	1.0	0.3	1.8	18	-	-	-	1.4	1.24	21	35	30	4.61	5.53
10	1.0	0.3	1.8	20	4 x 0.80	1.4	21	1.6	1.40	22	46	40	3.08	3.70
16	1.0	0.3	2.0	23	4 x 0.80	1.4	22	1.6	1.40	23	60	51	1.91	2.29
25	1.2	0.3	2.0	26	4 x 0.80	1.4	25	1.6	1.40	27	76	70	1.20	1.44
35	1.2	0.3	2.0	30	4 x 0.80	1.4	28	1.6	1.56	30	92	86	0.868	1.04
50	1.4	0.4	2.2	34	4 x 0.80	1.56	32	2.0	1.56	34	110	105	0.641	0.769
70	1.4	0.4	2.2	38	4 x 0.80	1.56	35	2.0	1.56	37	135	130	0.443	0.532
95	1.6	0.4	2.4	43	4 x 0.80	1.72	40	2.0	1.72	42	165	155	0.320	0.384
120	1.6	0.5	2.4	46	4 x 0.80	1.88	43	2.0	1.88	47	185	180	0.253	0.304
150	1.8	0.5	2.6	51	4 x 0.80	1.88	48	2.5	2.04	51	210	205	0.206	0.247
185	2.0	0.6	2.8	55	4 x 0.80	2.04	52	2.5	2.20	56	235	240	0.164	0.197
240	2.2	0.6	3.0	60	4 x 0.80	2.36	59	2.5	2.36	62	275	280	0.125	0.150
300	2.4	0.7	3.4	66	4 x 0.80	2.52	67	3.15	2.68	70	305	315	0.100	0.120
400	2.6	0.7	3.6	73	4 x 0.80	2.84	74	3.15	2.84	76	335	375	0.0778	0.0934
500	3.0	0.7	4.0	82	4 x 0.80	3.00	80	4.0	3.00	86	370	425	0.0605	0.0726
630	3.4	0.7	4.0	92	4 x 0.80	3.00	90	4.0	3.00	96	405	480	0.0469	0.0563

This document is the property of SVARN No one is to retain, pass on amend or otherwise use this document, unless specially authorized/permited by Chief Executive Officer of SVARN



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com



SINGLE CORE ALUMINUM PVC INSULATED CABLE

PRODUCT DETAILS

Single Core, Aluminum Conductor, PVC Insulated, Un-armoured / Aluminum Round wire Armoured / Aluminum Flat Strip Armoured, PVC Outer Sheath
Cable conforming to IS 1554 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -5°C to +70°C/85°C
- UV Resistance
- RoHS Compliant

TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	Extruded PVC Type -A, Extruded HR PVC Type - C	IS 5831
Insulation Colour	Red, Yellow, Blue & Black	IS 1554 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Armouring (as applicable)	GS Round Wire, GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

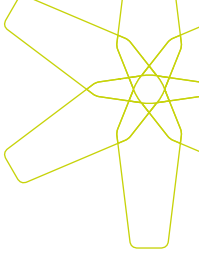
Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (AYY)		Flat Strip Armoured Cable (AYFY)			Round Wire Armoured Cable (AYWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	1.0	1.8	8.0	1.3	-	-	-	1.4	1.24	11.0	31	30	7.41	8.89
6	1.0	1.8	9.0	1.3	-	-	-	1.4	1.24	12.0	39	35	4.61	5.53
10	1.0	1.8	10.0	1.3	-	-	-	1.4	1.24	13.0	51	47	3.08	3.70
16	1.0	1.8	11.0	1.3	-	-	-	1.4	1.24	14.0	66	64	1.91	2.29
25	1.2	1.8	13.0	1.5	-	-	-	1.4	1.24	15.0	86	84	1.20	1.44
35	1.2	1.8	14.0	1.5	-	-	-	1.4	1.24	16.0	100	105	0.868	1.04
50	1.4	1.8	16.0	1.7	-	-	-	1.4	1.24	18.0	120	130	0.641	0.769
70	1.4	1.8	17.0	1.7	-	-	-	1.4	1.40	20.0	140	155	0.443	0.532
95	1.6	1.8	19.0	1.9	4 x 0.80	1.40	21	1.6	1.40	22.0	175	190	0.320	0.384
120	1.6	2.0	21.0	1.9	4 x 0.80	1.40	23	1.6	1.40	24.0	195	220	0.253	0.304
150	1.8	2.0	23.0	2.1	4 x 0.80	1.40	24	1.6	1.40	26.0	220	250	0.206	0.247
185	2.2	2.0	25.0	2.3	4 x 0.80	1.40	27	1.6	1.40	29.0	240	290	0.164	0.197
240	2.2	2.0	28.0	2.5	4 x 0.80	1.40	30	1.6	1.56	32.0	270	335	0.125	0.150
300	2.4	2.0	30.0	2.7	4 x 0.80	1.56	32	1.6	1.56	33.0	295	380	0.100	0.120
400	2.6	2.2	35.0	3.0	4 x 0.80	1.56	37	2.0	1.56	39.0	325	435	0.0778	0.0934
500	3.0	2.2	38.0	3.4	4 x 0.80	1.56	40	2.0	1.72	42.0	345	480	0.0605	0.0726
630	3.4	2.4	43.0	3.9	4 x 0.80	1.72	45	2.0	1.88	48.0	390	550	0.0469	0.0563
800	3.4	2.4	48.0	3.9	4 x 0.80	1.88	49	2.0	1.88	52.0	450	610	0.0367	0.0440
1000	3.4	2.6	52.0	3.9	4 x 0.80	2.04	55	2.5	2.04	59.0	500	680	0.0291	0.0349

This document is the property of SVARN No one is to retain, pass on amend or otherwise use this document, unless specially authorized/permitted by Chief Executive Officer of SVARN



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com

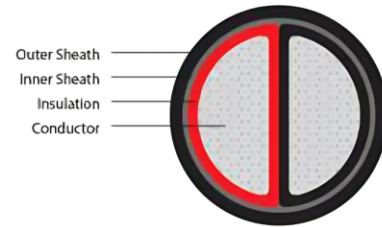


TWO ALUMINUM XLPE INSULATED CABLE

PRODUCT DETAILS

2 Core, Aluminum Conductor, XLPE Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant



TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Colour	Red & Black	IS 7098 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Armouring (as applicable)	GS Round Wire , GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

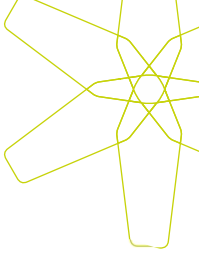
Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (A2XY)		Flat Strip Armoured Cable (A2XFY)			Round Wire Armoured Cable (A2XWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance At 90°C (Approx)
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	0.7	0.3	1.8	13	-	-	-	1.4	1.24	14	34	30	7.41	9.48
6	0.7	0.3	1.8	14	-	-	-	1.4	1.24	15	43	40	4.61	5.90
10	0.7	0.3	1.8	15	-	-	-	1.4	1.24	17	57	55	3.08	3.94
16	0.7	0.3	1.8	15	-	-	-	1.4	1.4	17	78	70	1.91	2.44
25	0.9	0.3	2.0	17	4 x 0.80	1.4	18	1.6	1.4	20	95	99	1.20	1.54
35	0.9	0.3	2.0	19	4 x 0.80	1.4	20	1.6	1.4	21	116	117	0.868	1.11
50	1.0	0.3	2.0	21	4 x 0.80	1.4	22	1.6	1.4	24	140	140	0.641	0.820
70	1.1	0.3	2.0	24	4 x 0.80	1.56	25	1.6	1.56	27	170	176	0.443	0.567
95	1.1	0.4	2.2	27	4 x 0.80	1.56	28	2.0	1.56	30	200	221	0.320	0.410
120	1.2	0.4	2.2	30	4 x 0.80	1.56	30	2.0	1.56	32	225	258	0.253	0.324
150	1.4	0.4	2.2	32	4 x 0.80	1.72	34	2.0	1.72	36	255	294	0.206	0.264
185	1.6	0.5	2.4	36	4 x 0.80	1.72	37	2.0	1.88	40	285	339	0.164	0.210
240	1.7	0.5	2.6	40	4 x 0.80	1.88	41	2.5	2.04	45	325	402	0.125	0.160
300	1.8	0.6	2.8	44	4 x 0.80	2.04	45	2.5	2.20	49	370	461	0.100	0.128
400	2.0	0.6	3.0	49	4 x 0.80	2.36	50	2.5	2.36	53	435	542	0.0778	0.100
500	2.2	0.7	3.4	55	4 x 0.80	2.52	56	3.15	2.68	60	481	624	0.0605	0.0774
630	2.4	0.7	3.6	62	4 x 0.80	2.68	63	3.15	2.84	67	537	723	0.0469	0.0600

This document is the property of SVARN No one is to retain, pass on amend or otherwise use this document, unless specially authorized/permitted by Chief Executive Officer of SVARN



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com

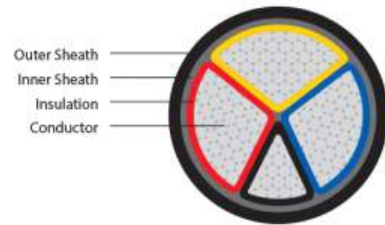


THREE & HALF CORE ALUMINUM XLPE INSULATED CABLE

PRODUCT DETAILS

3.5 Core, Aluminum Conductor, XLPE Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant



TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Colour	Red, Yellow, Blue & Black	IS 7098 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Armouring (as applicable)	GS Round Wire GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

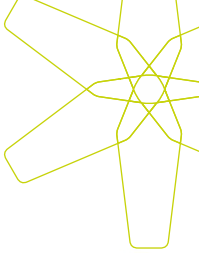
Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (A2XY)		Flat Strip Armoured Cable (A2XFY)			Round Wire Armoured Cable (A2XWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance At 90°C (Approx)
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
25 / 16	0.9 / 0.7	0.3	2.0	21	4 x 0.80	1.4	22	1.6	1.4	24	95	99	1.20 / 1.91	1.54
35 / 16	0.9 / 0.7	0.3	2.0	23	4 x 0.80	1.4	24	1.6	1.4	26	116	117	0.868 / 1.91	1.11
50 / 25	1.0 / 0.9	0.3	2.0	26	4 x 0.80	1.4	27	1.6	1.56	29	140	140	0.641 / 1.20	0.820
70 / 35	1.1 / 0.9	0.4	2.2	30	4 x 0.80	1.56	31	2.0	1.56	34	170	176	0.443 / 0.868	0.567
95 / 50	1.1 / 1.0	0.4	2.2	34	4 x 0.80	1.56	35	2.0	1.56	38	200	221	0.320 / 0.641	0.410
120 / 70	1.2 / 1.1	0.4	2.2	37	4 x 0.80	1.72	38	2.0	1.72	41	225	258	0.253 / 0.443	0.324
150 / 70	1.4 / 1.1	0.5	2.4	41	4 x 0.80	1.72	42	2.0	1.88	45	255	294	0.206 / 0.443	0.264
185 / 95	1.6 / 1.1	0.5	2.6	47	4 x 0.80	1.88	47	2.5	2.04	50	285	339	0.164 / 0.320	0.210
240 / 120	1.7 / 1.2	0.6	2.8	51	4 x 0.80	2.04	53	2.5	2.20	56	325	402	0.125 / 0.253	0.160
300 / 150	1.8 / 1.4	0.6	3.0	56	4 x 0.80	2.20	56	2.5	2.36	61	370	461	0.100 / 0.206	0.128
400 / 185	2.0 / 1.6	0.7	3.4	63	4 x 0.80	2.52	64	3.15	2.68	69	435	542	0.0778 / 0.164	0.100
500 / 240	2.2 / 1.7	0.7	3.6	71	4 x 0.80	2.68	72	3.15	2.84	77	481	624	0.0605 / 0.125	0.0774
630 / 300	2.4 / 1.8	0.7	4.0	78	4 x 0.80	3.0	78	4.0	3.0	86	537	723	0.0469 / 0.100	0.0600

This document is the property of SVARN No one is to retain, pass on amend or otherwise use this document, unless specially authorized/permitted by Chief Executive Officer of SVARN



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com



THREE ALUMINUM XLPE INSULATED CABLE

PRODUCT DETAILS

3 Core, Aluminum Conductor, XLPE Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant

TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Colour	Red, Yellow & Black	IS 7098 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Armouring (as applicable)	GS Round Wire, GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

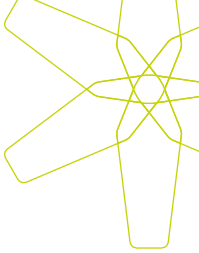
Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (A2XY)		Flat Strip Armoured Cable (A2XFY)			Round Wire Armoured Cable (A2XWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance At 90°C (Approx)
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	0.7	0.3	1.8	14	-	-	-	1.4	1.24	15	34	30	7.41	9.48
6	0.7	0.3	1.8	15	-	-	-	1.4	1.24	16	43	40	4.61	5.90
10	0.7	0.3	1.8	17	-	-	-	1.4	1.24	18	57	53	3.08	3.94
16	0.7	0.3	1.8	18	4 x 0.80	1.24	18	1.6	1.4	20	78	70	1.91	2.44
25	0.9	0.3	2.0	20	4 x 0.80	1.4	20	1.6	1.4	23	95	99	1.20	1.54
35	0.9	0.3	2.0	22	4 x 0.80	1.4	23	1.6	1.4	25	116	117	0.868	1.11
50	1.0	0.3	2.0	24	4 x 0.80	1.4	25	1.6	1.56	27	140	140	0.641	0.820
70	1.1	0.4	2.2	29	4 x 0.80	1.56	30	2.0	1.56	32	170	176	0.443	0.567
95	1.1	0.4	2.2	32	4 x 0.80	1.56	33	2.0	1.56	35	200	221	0.320	0.410
120	1.2	0.4	2.2	34	4 x 0.80	1.56	35	2.0	1.72	38	225	258	0.253	0.324
150	1.4	0.5	2.4	38	4 x 0.80	1.72	40	2.0	1.88	43	255	294	0.206	0.264
185	1.6	0.5	2.6	43	4 x 0.80	1.88	44	2.5	2.04	48	285	339	0.164	0.210
240	1.7	0.6	2.8	48	4 x 0.80	2.04	49	2.5	2.20	53	325	402	0.125	0.160
300	1.8	0.6	3.0	52	4 x 0.80	2.20	53	2.5	2.36	57	370	461	0.100	0.128
400	2.0	0.7	3.2	59	4 x 0.80	2.52	59	3.15	2.68	65	435	542	0.0778	0.100
500	2.2	0.7	3.6	66	4 x 0.80	2.68	66	3.15	2.84	72	481	624	0.0605	0.0774
630	2.4	0.7	3.8	73	4 x 0.80	2.84	73	4.0	3.0	80	537	723	0.0469	0.0600

This document is the property of SVARN No one is to retain, pass on amend or otherwise use this document, unless specially authorized/permitted by Chief Executive Officer of SVARN



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com



FOUR ALUMINUM XLPE INSULATED CABLE

PRODUCT DETAILS

4 Core, Aluminum Conductor, XLPE Insulated, Un-armoured / GS Round wire Armoured / GS Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant

TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Colour	Red, Yellow, Blue & Black	IS 7098 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Armouring (as applicable)	GS Round Wire,GS Flat Strip	IS 3975
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

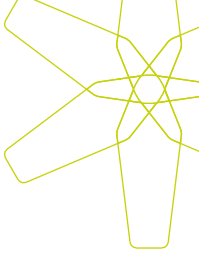
Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (A2XY)		Flat Strip Armoured Cable (A2XFY)			Round Wire Armoured Cable (A2XWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance At 90°C (Approx)
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	0.7	0.3	1.8	16	-	-	-	1.4	1.24	17	34	30	7.41	9.48
6	0.7	0.3	1.8	17	-	-	-	1.4	1.24	18	43	40	4.61	5.90
10	0.7	0.3	1.8	18	-	-	-	1.4	1.4	19	57	53	3.08	3.94
16	0.7	0.3	1.8	19	4 x 0.80	1.4	20	1.6	1.4	21	78	70	1.91	2.44
25	0.9	0.3	2.0	22	4 x 0.80	1.4	23	1.6	1.4	25	95	99	1.20	1.54
35	0.9	0.3	2.0	24	4 x 0.80	1.4	25	1.6	1.4	26	116	117	0.868	1.11
50	1.0	0.3	2.0	27	4 x 0.80	1.56	29	1.6	1.56	30	140	140	0.641	0.820
70	1.1	0.4	2.2	32	4 x 0.80	1.56	33	2.0	1.56	35	170	173	0.443	0.567
95	1.1	0.4	2.2	35	4 x 0.80	1.56	36	2.0	1.72	38	200	221	0.320	0.410
120	1.2	0.5	2.4	39	4 x 0.80	1.72	40	2.0	1.88	43	225	258	0.253	0.324
150	1.4	0.5	2.6	42	4 x 0.80	1.88	44	2.5	2.04	48	255	294	0.206	0.264
185	1.6	0.5	2.8	47	4 x 0.80	2.04	48	2.5	2.20	52	285	339	0.164	0.210
240	1.7	0.6	3.0	53	4 x 0.80	2.20	54	2.5	2.36	58	325	402	0.125	0.160
300	1.8	0.7	3.2	58	4 x 0.80	2.36	60	3.15	2.52	65	370	461	0.100	0.128
400	2.0	0.7	3.6	66	4 x 0.80	2.68	67	3.15	2.84	72	435	542	0.0778	0.100
500	2.2	0.7	3.8	75	4 x 0.80	2.84	75	4.0	3.0	80	481	624	0.0605	0.0774
630	2.4	0.7	4.0	83	4 x 0.80	3.0	84	4.0	3.0	90	537	723	0.0469	0.0600

This document is the property of SVARN. No one is to retain, pass on, amend or otherwise use this document, unless specially authorized/permitted by Chief Executive Officer of SVARN.



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com



SINGLE ALUMINUM XLPE INSULATED CABLE

PRODUCT DETAILS

Single Core, Aluminum Conductor, XLPE Insulated, Un-armoured / Aluminum Round wire Armoured / Aluminum Flat Strip Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant

TECHNICAL SPECIFICATIONS

Material		Ref. Spec
Conductor	Aluminum Conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Colour	Natural or Red or Yellow, or Blue or Black	IS 7098 Part-1
Inner Sheath	Not Applicable	-
Armouring (as applicable)	HD Aluminum Flat Strip HD Aluminum Flat Strip	IS 8130
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Colour	Black or optional	
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

Cross Sectional Area (sqmm)	Insulation Thickness (Nominal)	Inner Sheath Thickness (Minimum)	Unarmoured Cables (A2XY)		Flat Strip Armoured Cable (A2XFY)			Round Wire Armoured Cable (A2XWY)			Current Rating		DC Resistance At 20°C (Max)	AC Resistance At 90°C (Approx)
			Outer Sheath Thickness (Nominal)	Overall Diameter (Approx)	Armour Dimension (Flat Strip)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Armour Dimension (Round Wire)	Outer Sheath Thickness (Minimum)	Overall Diameter (Approx)	Ground	Air		
4	0.7	1.8	7	1.0	-	-	-	1.4	1.24	10	48	31	7.41	9.48
6	0.7	1.8	8	1.0	-	-	-	1.4	1.24	11	62	45	4.61	5.90
10	0.7	1.8	9	1.0	-	-	-	1.4	1.24	12	81	61	3.08	3.94
16	0.7	1.8	10	1.0	-	-	-	1.4	1.24	13	99	83	1.91	2.44
25	0.9	1.8	12	1.2	-	-	-	1.4	1.24	15	117	115	1.20	1.54
35	0.9	1.8	13	1.2	-	-	-	1.4	1.24	16	138	135	0.868	1.11
50	1.0	1.8	15	1.3	-	-	-	1.4	1.24	18	135	170	0.641	0.820
70	1.1	1.8	16	1.4	-	-	-	1.4	1.24	20	168	210	0.443	0.567
95	1.1	1.8	18	1.4	4 x 0.80	1.4	20	1.6	1.4	22	204	255	0.320	0.410
120	1.2	1.8	19	1.5	4 x 0.80	1.4	22	1.6	1.4	23	230	300	0.253	0.324
150	1.4	2.0	22	1.7	4 x 0.80	1.4	23	1.6	1.4	25	265	342	0.206	0.264
185	1.6	2.0	24	1.9	4 x 0.80	1.4	25	1.6	1.4	27	295	385	0.164	0.210
240	1.7	2.0	26	2.0	4 x 0.80	1.4	28	1.6	1.4	29	340	450	0.125	0.160
300	1.8	2.0	29	2.1	4 x 0.80	1.56	30	1.6	1.56	32	390	519	0.100	0.128
400	2.0	2.2	33	2.4	4 x 0.80	1.56	35	2.0	1.56	37	450	605	0.0778	0.100
500	2.2	2.2	36	2.6	4 x 0.80	1.56	38	2.0	1.56	40	500	700	0.0605	0.0774
630	2.4	2.2	40	2.8	4 x 0.80	1.72	42	2.0	1.72	45	555	809	0.0469	0.0600
800	2.6	2.4	45	3.1	4 x 0.80	1.72	47	2.0	1.88	50	625	935	0.0367	0.0470
1000	2.8	2.6	51	3.3	4 x 0.80	1.88	53	2.5	2.04	56	690	1065	0.0291	0.0372

This document is the property of SVARN No one is to retain, pass on amend or otherwise use this document, unless specially authorized/permitted by Chief Executive Officer of SVARN



CORP. OFFICE: Plot No. 1, Site No. 1, 14/3, Mathura Road, Faridabad – 121003, Haryana

☎ 1800 121 222 999 ✉ info@svarn.com 🌐 www@svarn.com