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ARMOURED CABLES

PRODUCT CATALOUGE

SUN
CABLES

SUN CABLES

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About Sun Cables

Established in the year 2004 **Sun Cables, a Nangalwala Impex (P) Ltd.** initiation, is reckoned as a leader in LV Specialty Cables with a decade old legacy for excellence, innovation and customization. Since, its inception the company grew leaps and bounds with its diverse range products catering a huge clientele. Our product portfolio includes Power Cable Assemblies, Wiring Harness, Welding Cables, Battery Leads, Railway Cables, Auto Cables, Wind Turbine Cables, Ignition Cables, Auto Utility Kits and more.

With the state-of-the-art R&D department, their clients now avail of customized solutions resulting in cost-efficiency. Our R&D department with their team of expert professionals is continuously developing and improvising products to offer best of the cabling solutions to the clients. In our technically suffice production facility each product is manufactured with great precision ensuring safety of the end users. The machinery employed is being modernized for fast and efficient output. Our products are ISI marked meeting the highest standards of quality cables such as IS, BS, IEC, VDE and HD. Each product undergoes a stringent quality control tests. Moreover, our R&D Department is approved by Department of Science & Industrial Research (DSIR) which authenticates our products. Our team of experts specializes in import substitutions with an exceptional technical knowledge and promises customized end-to-end cabling solutions to the Welding Industry.

The company has a remarkable presence in the domestic market and has also spread its wing in overseas market catering the MNCs and other sectors like defense, railways, mining, steel plants etc. With a holistic approach towards the cable solutions industry, Sun Cables aims at **Evolving Together**, ensuring customer satisfaction.

ARMOURED CABLES

Al /XLPE /Armour/PVC

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RIGID CABLES

Rigid Armoured –Al /XLPE /Armour/PVC

Category: Rigid Cables

Sub Category: Armoured Cables 1.1 KV

Main Characteristics: General

Name: 1.1 KV Rigid Armoured Al / XLPE / Armour /PVC Cables

Part No. A2XFY / A2XWY

Approval: IEC 60502, BS 6346

Construction:

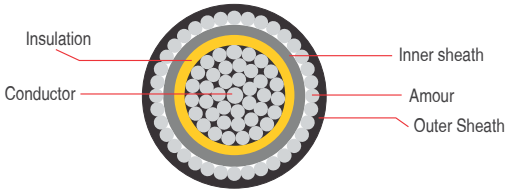
- **Class: 2** Stranded Aluminium Wire as per IS 8130
- **Insulation:** XLPE as per IEC 60502
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** PVC ST2 Grade as BS: 6469
- **Armouring:** GI Strip / wire IEC 60502
- **Outer Sheath:** PVC ST2 Grade as per BS : 6469

Product Feature

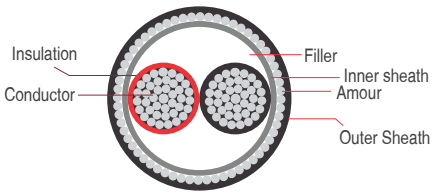
- ~~Very Economical~~
- Light Weight
- Good Thermal Properties than PVC variant
- Good Strength than PVC variant
- Low Current Leakage than PVC variant

Variant:

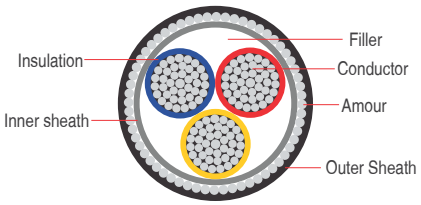
- FR • FRLS



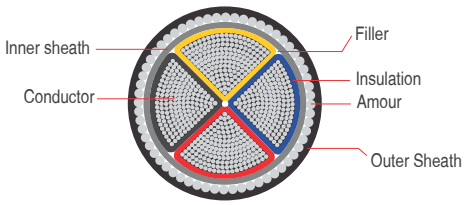
1 Core Armoured Power Cable



2 Core Armoured Power Cable



3 Core Armoured Power Cable



Sector shaped 4 Armoured Power Cable

Technical Data:

Insulation Resistance: 1 X 10^{14} Ohm-CM

Conductor Class: Class – 2 IEC 60228

Bending Radius: 12 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -15° C to +90^{0} C

Short Circuiting Temp: 250° C

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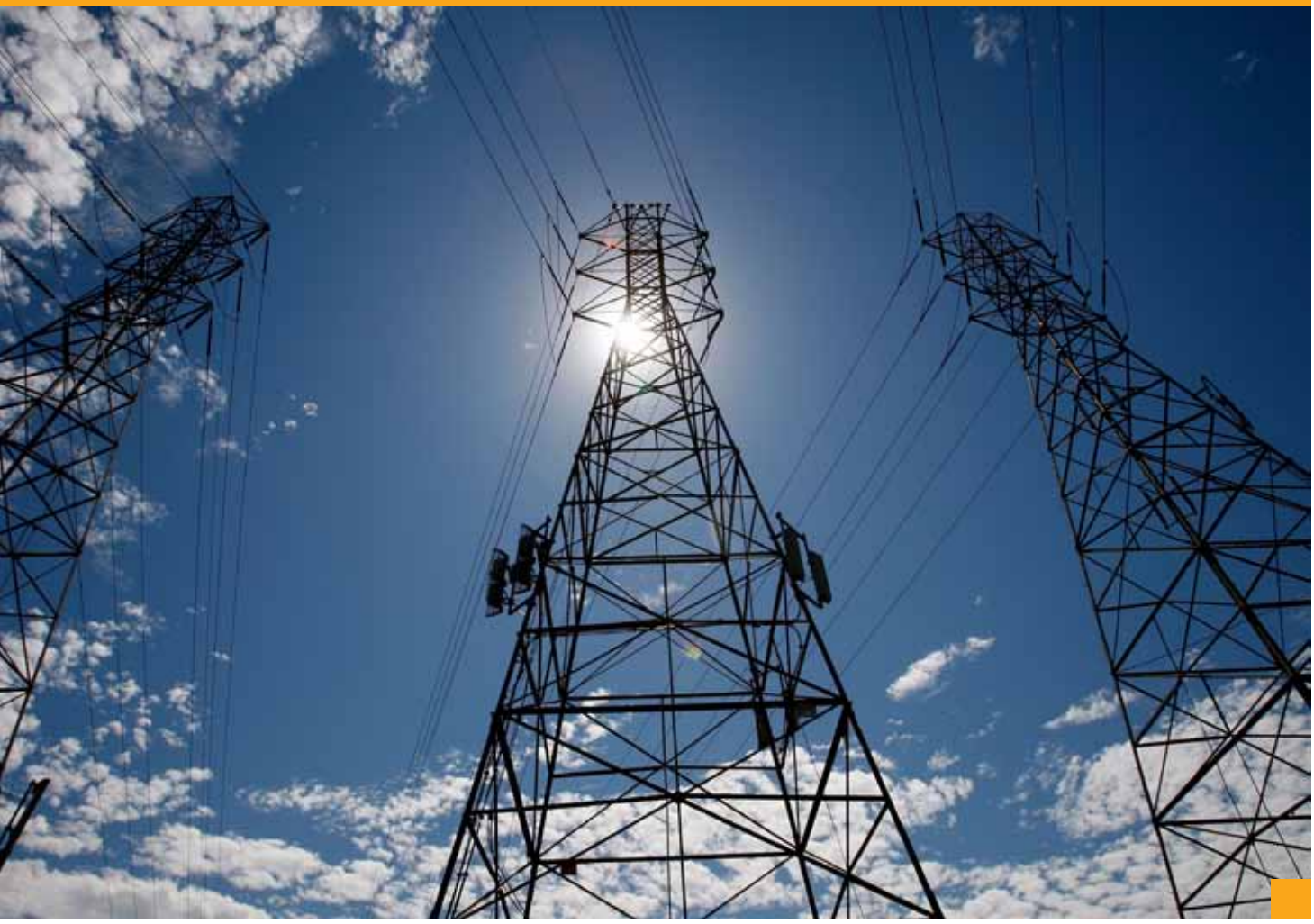
Application:

- General & Industrial Application Plant Wiring
- Under & Over Ground Cables which require high Physical Strength



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DIMENSIONAL TABLES, POWER CABLES – ALUMINIUM / XLPE / ARMOURED/ PVC
Single core XLPE Insulated & PVC Sheathed ARMOURED cables according to IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands) Amp	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating
1 X 4.0	7	1	18.9	570.4	7.41	42
1 X 6.0	7	1	21.2	700.7	4.61	54
1 X 10.0	7	1	23.4	872.4	3.08	75
1 X 16.0	7	1	25.7	1076.8	1.91	101
1 X 25.0	7	1.2	29.9	1441.2	1.20	138
1 X 35.0	7	1.2	32.9	1764.6	0.868	172
1 X 50.0	19	1.4	39.4	2655.1	0.641	210
1 X 70.0	19	1.4	43.5	3293.6	0.443	271
1 X 95.0	19	1.6	49.3	4108.9	0.320	332
1 X 120.0	37	1.6	54.2	5235.8	0.253	387
1 X 150.0	37	1.8	55.5	5889.1	0.206	448
1 X 185.0	37	2	60.9	6992.1	0.164	515
1 X 240.0	61	2.2	71.0	8904.6	0.125	611
1 X 300.0	61	2.4	18.9	570.4	0.100	708
1 X 400.0	61	2.6	21.2	700.7	0.0778	856
1 X 500.0	61	2.8	23.4	872.4	0.0605	991
1 X 630.0	91	2.8	25.7	1076.8	0.0469	1154

SUN 1.1 KV Rigid Armoured Al / XLPE / Armour /PVC Cables SUN 1.1 KV Rigid Armoured Al / XLPE / Armour /PVC Cables

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TWO CORE XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
2 X 4.0	7	1	18.9	570.4	7.41	38
2 X 6.0	7	1	21.2	700.7	4.61	49
2 X 10.0	7	1	23.4	872.4	3.08	67
2 X 16.0	7	1	25.7	1076.8	1.91	91
2 X 25.0	7	1.2	29.9	1441.2	1.20	108
2 x 35.0	7	1.2	32.9	1764.6	0.868	135
2 x 50.0	19	1.4	39.4	2655.1	0.641	164
2 x 70.0	19	1.4	43.5	3293.6	0.443	211
2 x 95.0	19	1.6	49.3	4108.9	0.320	257
2 x 120.0	37	1.6	54.2	5235.8	0.253	300

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THREE CORE XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
3 X 4.0	7	1	19.8	649.2	7.41	32
3 X 6.0	7	1	22.2	808.7	4.61	42
3 X 10.0	7	1	24.6	1029.2	3.08	58
3 X 16.0	7	1	27.0	1298.1	1.91	77
3 X 25.0	7	1.2	31.7	1770.5	1.20	97
3 X 35.0	7	1.2	34.8	2203.1	0.868	120
3 X 50.0	19	1.4	40.1	2912.6	0.641	146
3 X 70.0	19	1.4	44.5	3725.4	0.443	187
3 X 95.0	19	1.6	52.4	5232.9	0.320	227
3 X 120.0	37	1.6	56.3	6225.8	0.253	263
3 X 150.0	37	1.8	57.8	7152.8	0.206	304
3 X 185.0	37	2	63.6	8593.0	0.164	347
3 X 240.0	61	2.2	75.8	11639.6	0.125	409

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FOUR CORE XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Number of Strand/ Strand Diameter	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
4 X 4.0	7	1	21.1	748.9	7.41	32
4 X 6.0	7	1	23.8	943.0	4.61	42
4 X 10.0	7	1	26.5	1218.3	3.08	58
4 X 16.0	7	1	29.3	1557.7	1.91	77
4 X 25.0	7	1.2	34.4	2150.8	1.20	97
4 X 35.0	7	1.2	38.0	2702.0	0.868	120
4 X 50.0	19	1.4	43.9	3603.6	0.641	146
4 X 70.0	19	1.4	48.8	4650.3	0.443	187
4 X 95.0	19	1.6	58.8	6939.0	0.320	227
4 X 120.0	37	1.6	63.1	8257.2	0.253	263
4 X 150.0	37	1.8	64.8	9491.2	0.206	304
4 X 185.0	37	2	71.3	11401.7	0.164	347

ARMOURED CABLES

Rigid Armoured –Al /XLPE /Armour/PVC

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RIGID CABLES

Rigid Armoured –Al /XLPE /Armour/PVC

Category: Rigid Cables

Sub Category: Armoured Cables 1.1 KV

Main Characteristics: General

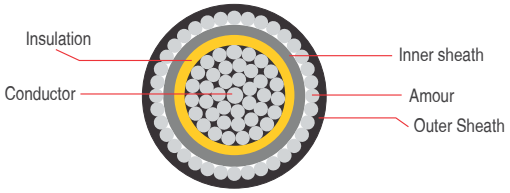
Name: 1.1 KV Rigid Armoured Al / PVC / Armour /PVC Cables

Part No. AYFY / AYWY

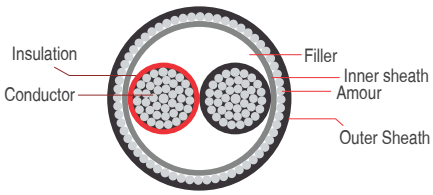
Approval: IEC 60502, BS 6346

Construction:

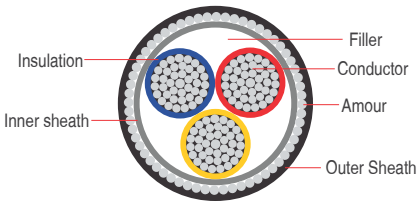
- **Class: 2** Stranded Aluminium Wire as per IS 8130 / IEC 60228
- **Insulation:** PVC (Poly Vinyl Chloride) as per BS: 6469
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** PVC (Poly Vinyl Chloride) ST2 Grade as BS: 6469
- **Armouring:** GI Strip / wire IEC 60502
- **Outer Sheath:** PVC ST2 Grade as per BS: 6469



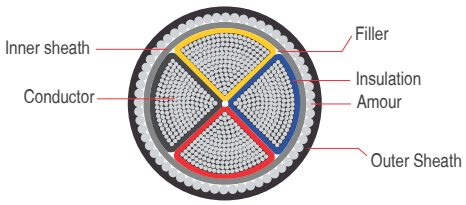
1 Core Armoured Power Cable



2 Core Armoured Power Cable



3 Core Armoured Power Cable



Sector shaped 4 Armoured Power Cable

Product Feature

- Very Economical
- Light Weight
- Better Fire Properties than XLPE variant
- Better UV Properties than XLPE variant

Variant:

- FR • FRLS • 85 Degree

Technical Data:

Insulation Resistance: 1 X 10^{13} Ohm-CM

Conductor Class: Class – 2 IEC 60228

Bending Radius: 12 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -15° C to +17° C

Short Circuiting Temp: 160° C

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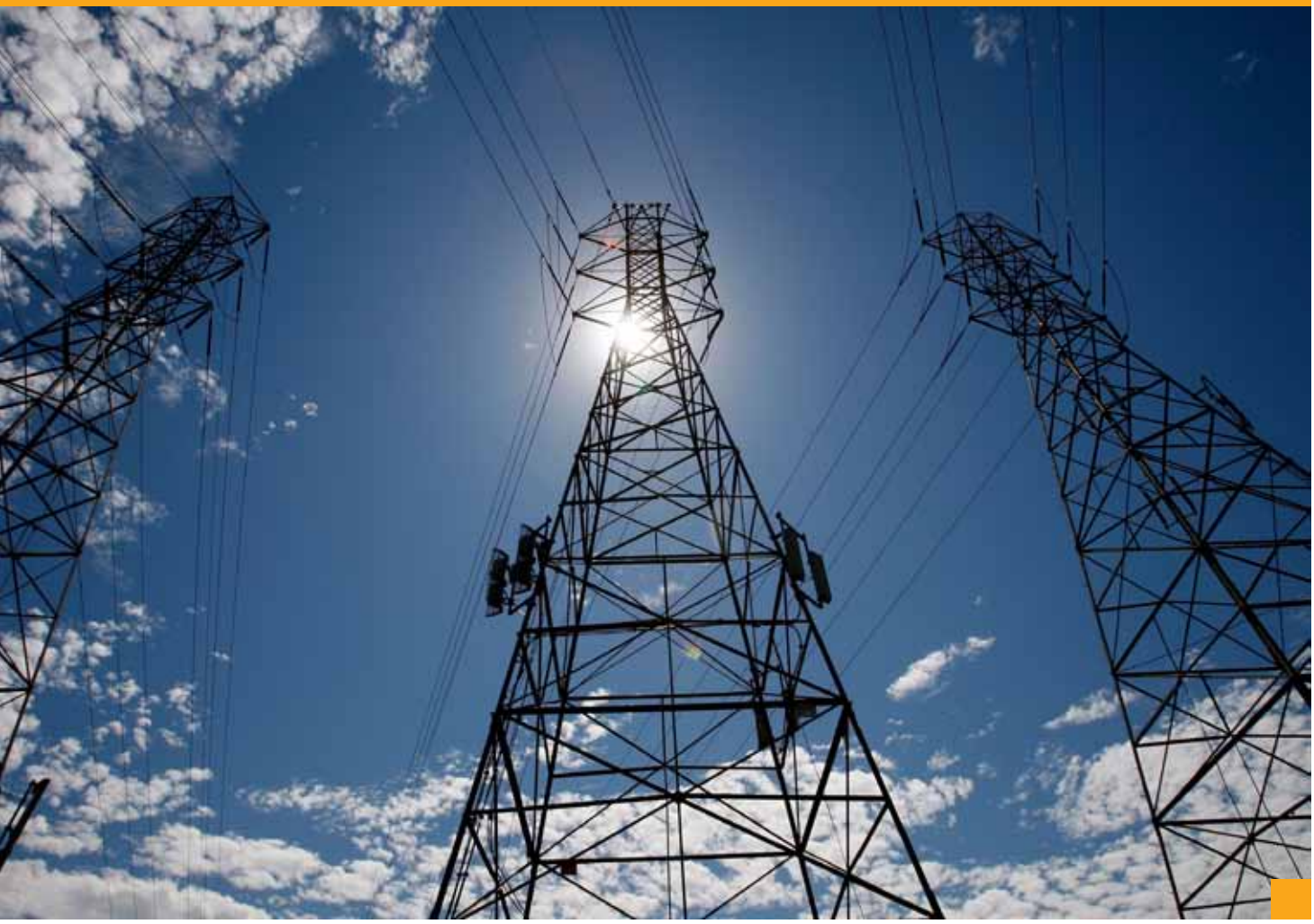
Application:

- General & Industrial Application Plant Wiring
- Under & Over Ground Cables which require high Physical Strength



SUN CABLES

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DIMENSIONAL TABLES, POWER BRAIDED CABLES – ALUMINIUM / PVC / ARMOURED/ PVC
SINGLE CORE PVC INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
1 X 4.0	7	1	11.5	233.41	7.41	34
1 X 6.0	7	1	12.0	255.63	4.61	43
1 X 10.0	7	1	12.8	293.80	3.08	60
1 X 16.0	7	1	13.7	339.92	1.91	81
1 X 25.0	7	1.2	15.2	419.75	1.20	112
1 X 35.0	7	1.2	17.2	589.07	0.868	139
1 X 50.0	19	1.4	18.9	711.34	0.641	169
1 X 70.0	19	1.4	20.3	830.61	0.443	217
1 X 95.0	19	1.6	21.4	891.43	0.320	265
1 X 120.0	37	1.6	22.8	1018.36	0.253	308
1 X 150.0	37	1.8	24.6	1181.85	0.206	356
1 X 185.0	37	2	26.5	1369.87	0.164	407
1 X 240.0	61	2.2	29.3	1659.97	0.125	482
1 X 300.0	61	2.4	31.9	1957.26	0.100	557
1 X 400.0	61	2.6	36.0	2459.50	0.0778	671
1 X 500.0	61	2.8	39.7	2952.54	0.0605	775
1 X 630.0	91	2.8	42.6	3481.47	0.0469	900

1.1 KV Rigid Armoured Al / PVC / Armour /PVC Cables

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TWO CORE PVC INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
2 X 4.0	7	1	15.80	383.3	7.41	31
2 X 6.0	7	1	17.70	535.7	4.61	39
2 X 10.0	7	1	19.30	625.7	3.08	54
2 X 16.0	7	1	21.10	733.3	1.91	73
2 X 25.0	7	1.2	20.60	725.5	1.20	89
2 x 35.0	7	1.2	22.20	843.8	0.868	111
2 x 50.0	19	1.4	24.60	1036.5	0.641	135
2 x 70.0	19	1.4	26.82	1241.2	0.443	173
2 x 95.0	19	1.6	30.25	1529.5	0.320	210
2 x 120.0	37	1.6	32.39	1769.6	0.253	244

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THREE CORE PVC INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
3 X 4.0	7	1	16.49	428.3	7.41	26
3 X 6.0	7	1	18.47	597.2	4.61	33
3 X 10.0	7	1	20.20	706.8	3.08	46
3 X 16.0	7	1	21.24	740.9	1.91	61
3 X 25.0	7	1.2	23.15	909.8	1.20	78
3 X 35.0	7	1.2	25.03	1067.7	0.868	96
3 X 50.0	19	1.4	28.62	1363.5	0.641	117
3 X 70.0	19	1.4	31.60	1667.5	0.443	150
3 X 95.0	19	1.6	36.14	2112.9	0.320	183
3 X 120.0	37	1.6	38.92	2465.3	0.253	212
3 X 150.0	37	1.8	42.82	2934.4	0.206	245
3 X 185.0	37	2	47.29	3531.9	0.164	280
3 X 240.0	61	2.2	52.57	4337.7	0.125	330

1.1 KV Rigid Armoured Al / PVC / Armour /PVC Cables 1.1 KV Rigid Armoured Al / PVC / Armour /PVC Cables

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FOUR CORE PVC INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Number of Strand/Strand Diameter	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
4 X 4.0	7	1	18.5	601.1	7.41	26
4 X 6.0	7	1	19.7	677.2	4.61	33
4 X 10.0	7	1	20.8	713.6	3.08	46
4 X 16.0	7	1	22.9	862.7	1.91	61
4 X 25.0	7	1.2	26.7	1126.8	1.20	78
4 X 35.0	7	1.2	29.4	1353.4	0.868	96
4 X 50.0	19	1.4	34.2	1782.8	0.641	117
4 X 70.0	19	1.4	38.0	2191.7	0.443	150
4 X 95.0	19	1.6	43.1	2728.6	0.320	183
4 X 120.0	37	1.6	47.0	3253.9	0.253	212
4 X 150.0	37	1.8	51.8	3881.1	0.206	245
4 X 185.0	37	2	56.8	4607.6	0.164	280

ARMOURED CABLES

Rigid Armoured –Cu /PVC / Strip /PVC

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RIGID CABLES

Rigid Armoured –Cu /PVC / Strip /PVC

Category: Rigid Cables

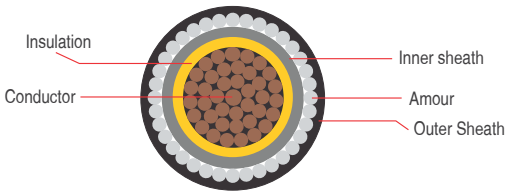
Sub Category: Armoured Cables 1.1 KV

Main Characteristics: General

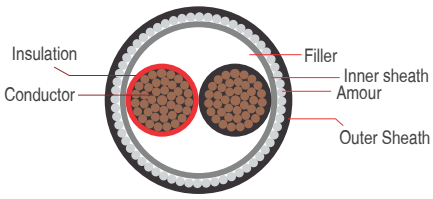
Name: 1.1 KV Rigid Armoured Cu / PVC / Strip / PVC Cables

Part No. YFY

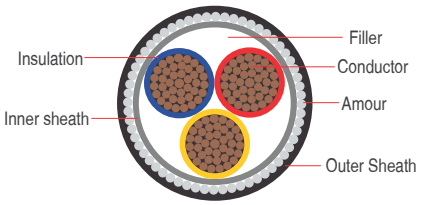
Approval: IEC 60502, BS 6346



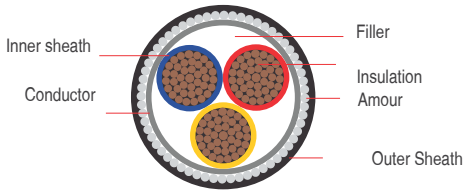
1 Core Armoured Power Cable



2 Core Armoured Power Cable



3 Core Armoured Power Cable



Sector shaped 4 Armoured Power Cable

Construction:

- **Class: 2** Stranded Copper Wire as per IEC 60228
- **Insulation:** PVC (Poly Vinyl Chloride) Type A or C as per BS:6469
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** PVC (Poly Vinyl Chloride) ST1 or ST2 Grade as per BS: 6469
- **Armour:** GI Strip IS: 3975 / IEC 60502
- **Outer Sheath:** PVC (Poly Vinyl Chloride) ST1 or ST2 Grade as per BS : 6469

Product Feature

- Requires less space for installation
- Very High Physical Strength much better than Aluminium variant
- Better Fire Properties than XLPE variant
- Better UV Properties than XLPE variant

Variant:

- HR-90 Degree • FR • FRLS

Technical Data:

Insulation Resistance: 1 X 10^{13} Ohm-cm

Conductor Class: Class – 2 IEC 60228

Bending Radius: 12 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -15° C to +70° C

Short Circuiting Temp: 160° C

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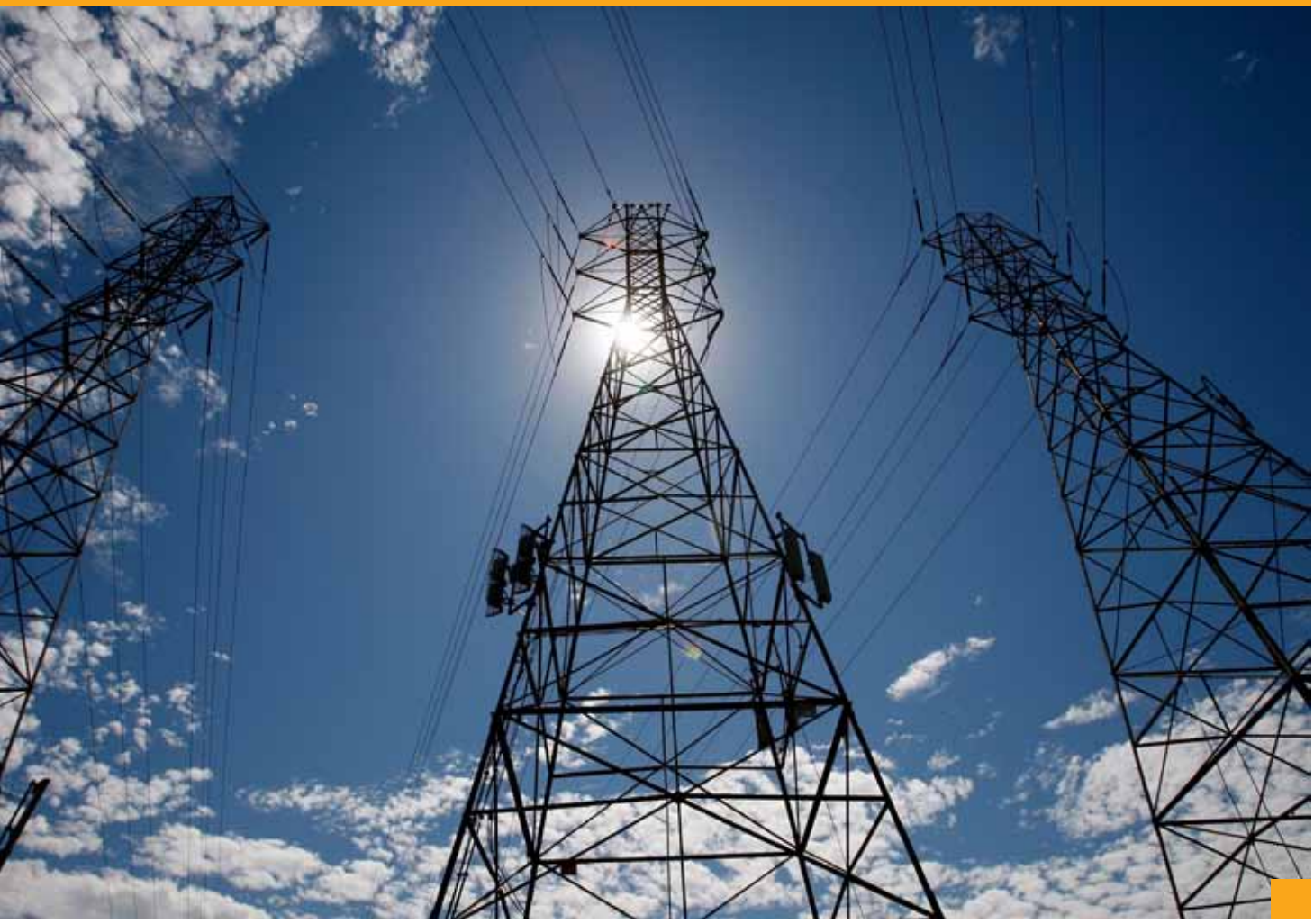
Application:

- General & Industrial Application Plant Wiring
- Under & Over Ground Cables which require high Physical Strength



SUN CABLES

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DIMENSIONAL TABLES, POWER CABLES – COPPER / PVC / ARMOURED/ PVC
SINGLE CORE CU COND. PVC INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
1 X 4.0	7	1	11.5	233.41	4.61	43
1 X 6.0	7	1	12.0	255.63	3.08	55
1 X 10.0	7	1	12.8	293.80	1.83	76
1 X 16.0	7	1	13.7	339.92	1.15	102
1 X 25.0	7	1.2	15.2	419.75	0.727	146
1 X 35.0	7	1.2	17.2	589.07	0.524	181
1 X 50.0	19	1.4	18.9	711.34	0.387	219
1 X 70.0	19	1.4	20.3	830.61	0.268	281
1 X 95.0	19	1.6	21.4	891.43	0.193	341
1 X 120.0	37	1.6	22.8	1018.36	0.153	396
1 X 150.0	37	1.8	24.6	1181.85	0.124	456
1 X 185.0	37	2	26.5	1369.87	0.0991	521
1 X 240.0	61	2.2	29.3	1659.97	0.0754	615
1 X 300.0	61	2.4	31.9	1957.26	0.0601	709
1 X 400.0	61	2.6	36.0	2459.50	0.0470	852
1 X 500.0	61	2.8	39.7	2952.54	0.0366	982
1 X 630.0	91	2.8	42.6	3481.47	0.0283	1138

1.1 KV Rigid Armoured Cu / PVC / Strip / PVC Cables

SUN CABLES

www.suncables.com

TWO CORE CU COND PVC INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
2 X 4.0	7	1	15.80	383.3	4.61	40
2 X 6.0	7	1	17.70	535.7	3.08	51
2 X 10.0	7	1	19.30	625.7	1.83	70
2 X 16.0	7	1	21.10	733.3	1.15	94
2 X 25.0	7	1.2	20.60	725.5	0.727	119
2 x 35.0	7	1.2	22.20	843.8	0.524	148
2 x 50.0	19	1.4	24.60	1036.5	0.387	180
2 x 70.0	19	1.4	26.82	1241.2	0.268	232
2 x 95.0	19	1.6	30.25	1529.5	0.193	282
2 x 120.0	37	1.6	32.39	1769.6	0.153	328

SUN CABLES

www.suncables.com

THREE CORE CU COND PVC INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
3 X 4.0	7	1	16.49	428.3	4.61	34
3 X 6.0	7	1	18.47	597.2	3.08	43
3 X 10.0	7	1	20.20	706.8	1.83	60
3 X 16.0	7	1	21.24	740.9	1.15	80
3 X 25.0	7	1.2	23.15	909.8	0.727	101
3 X 35.0	7	1.2	25.03	1067.7	0.524	126
3 X 50.0	19	1.4	28.62	1363.5	0.387	153
3 X 70.0	19	1.4	31.60	1667.5	0.268	196
3 X 95.0	19	1.6	36.14	2112.9	0.193	238
3 X 120.0	37	1.6	38.92	2465.3	0.153	276
3 X 150.0	37	1.8	42.82	2934.4	0.124	319
3 X 185.0	37	2	47.29	3531.9	0.0991	364
3 X 240.0	61	2.2	52.57	4337.7	0.0754	430

SUN CABLES

www.suncables.com

FOUR CORE PVC CU COND INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Number of Strand/Strand Diameter	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
4 X 4.0	7	1	18.5	601.1	4.61	34
4 X 6.0	7	1	19.7	677.2	3.08	43
4 X 10.0	7	1	20.8	713.6	1.83	60
4 X 16.0	7	1	22.9	862.7	1.15	80
4 X 25.0	7	1.2	26.7	1126.8	0.727	101
4 X 35.0	7	1.2	29.4	1353.4	0.524	126
4 X 50.0	19	1.4	34.2	1782.8	0.387	153
4 X 70.0	19	1.4	38.0	2191.7	0.268	196
4 X 95.0	19	1.6	43.1	2728.6	0.193	238
4 X 120.0	37	1.6	47.0	3253.9	0.153	276
4 X 150.0	37	1.8	51.8	3881.1	0.124	319
4 X 185.0	37	2	56.8	4607.6	0.0991	364

ARMOURED CABLES

Rigid Armoured –Cu / XLPE /Strip /PVC

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RIGID CABLES

Rigid Armoured –Cu / XLPE /Strip /PVC

Category: Rigid Cables

Sub Category: Armoured Cables 1.1 KV

Main Characteristics: General

Name: 1.1 KV Rigid Un Armoured Copper / XLPE / PVC Cables

Part No. 2XFY

Approval: IEC 60502, BS 6724

Construction:

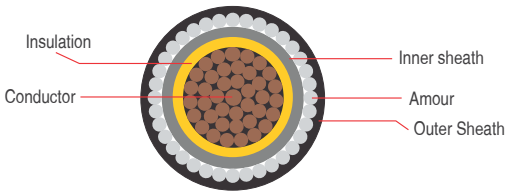
- **Class: 2** Stranded Copper Wire as per IEC 60228
- **Insulation:** XLPE as per IEC 60502
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** PVC (Poly Vinyl Chloride)ST2 Grade as per BS: 6469
- **Armour:** GI Strip /wire/ IEC 60502
- **Outer Sheath:** PVC ST2 Grade as per BS: 6469

Product Feature

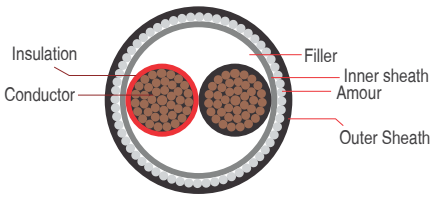
- Requires less space for installation
- Good Thermal Properties than PVC variant
- Very Good Physical Strength than PVC variant
- Low Current Leakage than PVC variant

Variant:

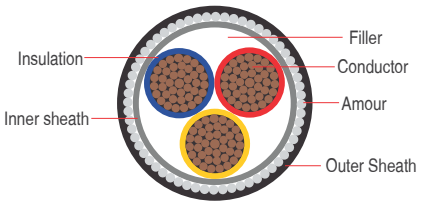
- FR • FRLS



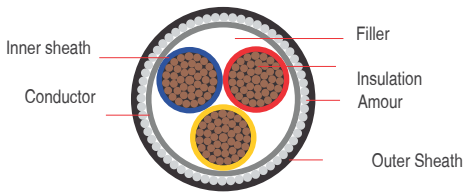
1 Core Armoured Power Cable



2 Core Armoured Power Cable



3 Core Armoured Power Cable



Sector shaped 4 Armoured Power Cable

Technical Data:

Insulation Resistance: 1 X 10^{14} Ohm-CM

Conductor Class: Class – 2 IEC 60228

Bending Radius: 12 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -15° C to +90° C

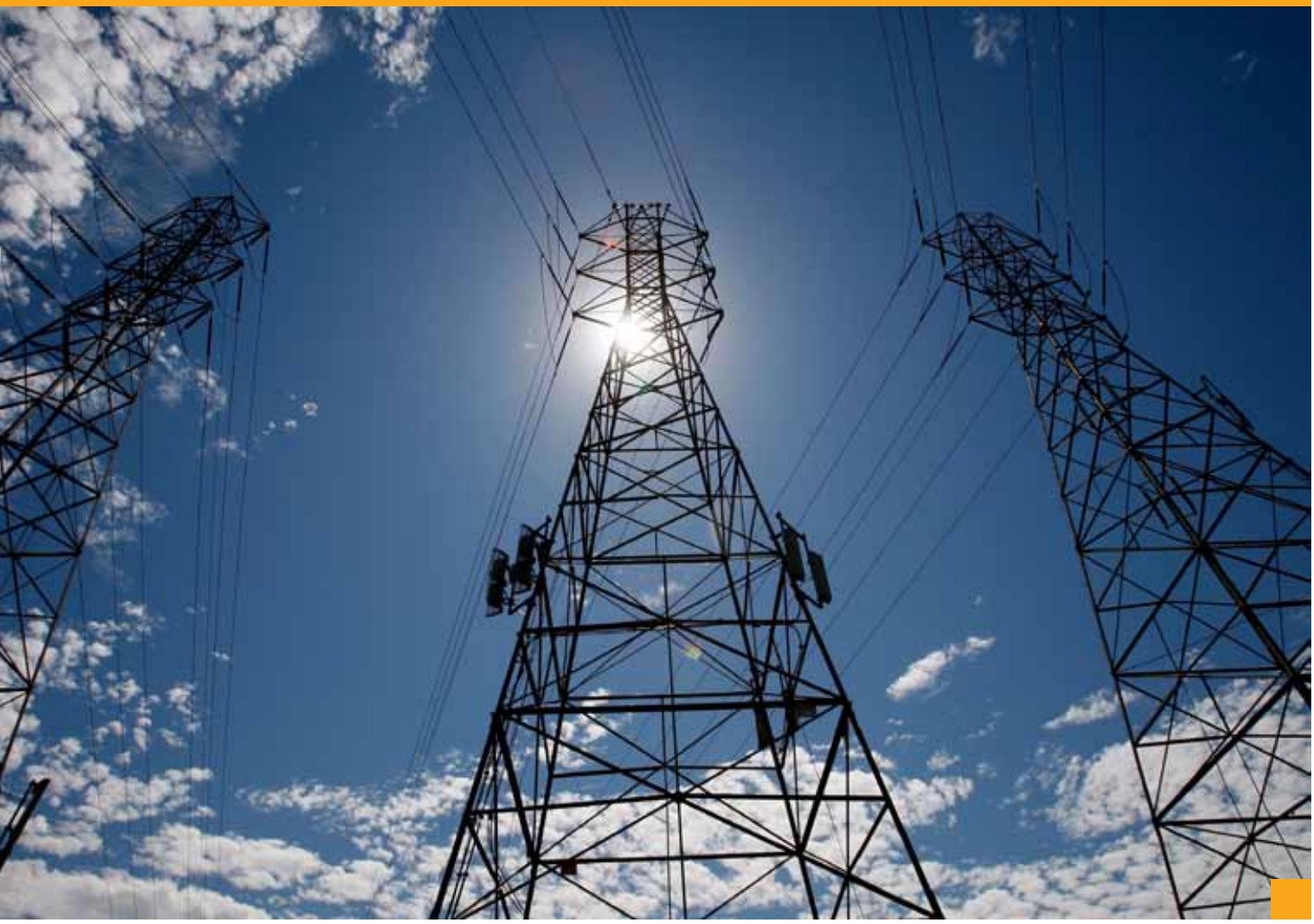
Short Circuiting Temp: 250° C

SUN CABLES

www.suncables.com

Application:

- General & Industrial Application Plant Wiring
- Under & Over Ground Cables which require high Physical Strength



SUN CABLES

www.suncables.com

DIMENSIONAL TABLES, POWER FLEXIBLE CABLES – COPPER / XLPE / ARMOURED/ PVC
SINGLE CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
1 X 4.0	7	0.7	10.9	232.18	4.61	53
1 X 6.0	7	0.7	11.4	265.65	3.08	67
1 X 10.0	7	0.7	12.2	327.80	1.83	92
1 X 16.0	7	0.7	13.1	408.16	1.15	124
1 X 25.0	7	0.9	14.6	537.91	0.727	182
1 X 35.0	7	0.9	16.6	762.41	0.524	226
1 X 50.0	19	1	18.1	961.94	0.387	275
1 X 70.0	19	1.1	19.7	1219.37	0.268	353
1 X 95.0	19	1.1	20.4	1395.56	0.193	430
1 X 120.0	37	1.2	22.0	1692.36	0.153	500
1 X 150.0	37	1.4	23.8	2028.02	0.124	577
1 X 185.0	37	1.6	25.7	2426.21	0.0991	661
1 X 240.0	61	1.7	28.2	3034.73	0.0754	781
1 X 300.0	61	1.8	30.6	3675.14	0.0601	902
1 X 400.0	61	2	34.7	4752.30	0.0470	1085
1 X 500.0	61	2.2	38.4	5877.59	0.0366	1253
1 X 630.0	91	2.4	41.7	7295.62	0.0283	1454

1.1 KV Rigid Un Armoured Copper / XLPE / PVC Cables

SUN CABLES

www.suncables.com

TWO CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
2 X 4.0	7	0.7	14.6	381.5	4.61	49
2 X 6.0	7	0.7	16.5	546.1	3.08	63
2 X 10.0	7	0.7	18.1	684.2	1.83	86
2 X 16.0	7	0.7	19.9	860.5	1.15	115
2 X 25.0	7	0.9	20.3	1048.1	0.727	149
2 x 35.0	7	0.9	21.0	1199.1	0.524	185
2 x 50.0	19	1	23.0	1549.2	0.387	225
2 x 70.0	19	1.1	25.5	2023.1	0.268	289
2 x 95.0	19	1.1	28.1	2530.8	0.193	352
2 x 120.0	37	1.2	30.7	3111.9	0.153	410

SUN CABLES

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THREE CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
3 X 4.0	7	0.7	15.2	440.7	4.61	42
3 X 6.0	7	0.7	17.2	632.5	3.08	54
3 X 10.0	7	0.7	18.9	814.4	1.83	75
3 X 16.0	7	0.7	20.8	1,050.3	1.15	100
3 X 25.0	7	0.9	21.9	1,278.9	0.727	127
3 X 35.0	7	0.9	23.8	1,624.2	0.524	158
3 X 50.0	19	1	26.8	2,148.1	0.387	192
3 X 70.0	19	1.1	30.2	2,859.5	0.268	246
3 X 95.0	19	1.1	33.8	3,643.7	0.193	298
3 X 120.0	37	1.2	37.1	4,503.3	0.153	346
3 X 150.0	37	1.4	41.0	5,489.4	0.124	399
3 X 185.0	37	1.6	45.4	6,716.8	0.0991	456
3 X 240.0	61	1.7	50.3	8,493.4	0.0754	538

SUN CABLES

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FOUR CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Number of Strand/Strand Diameter	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
4 X 4.0	7	0.7	17.1	613.2	4.61	42
4 X 6.0	7	0.7	18.3	734.6	3.08	54
4 X 10.0	7	0.7	20.2	963.3	1.83	75
4 X 16.0	7	0.7	21.5	1162.3	1.15	100
4 X 25.0	7	0.9	25.1	1621.4	0.727	127
4 X 35.0	7	0.9	27.8	2089.0	0.524	158
4 X 50.0	19	1	31.7	2798.0	0.387	192
4 X 70.0	19	1.1	36.4	3787.0	0.268	246
4 X 95.0	19	1.1	40.5	4782.8	0.193	298
4 X 120.0	37	1.2	44.9	5979.4	0.153	346
4 X 150.0	37	1.4	49.8	7295.8	0.124	399
4 X 185.0	37	1.6	54.7	8864.6	0.0991	456

ARMOURED CABLES

Rigid Armoured –Low Bending Dia Cu / XLPE /SWA/PVC

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RIGID CABLES

Rigid Armoured –Low Bending Dia Cu / XLPE /SWA/PVC

Category: Rigid Cables

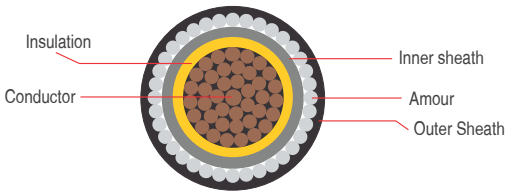
Sub Category: Armoured Cables 1.1 KV

Main Characteristics: Low Bending Dia & Space Saving

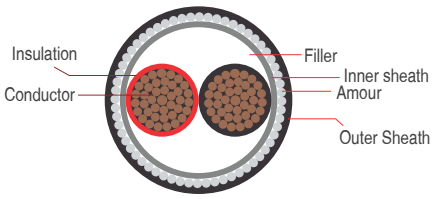
Name: 1.1 KV Rigid Armoured Copper / XLPE /SWA/ PVC Cables

Party No. 2XWY

Approval: IEC 60502, BS 6724



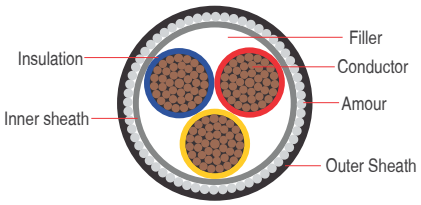
1 Core Armoured Power Cable



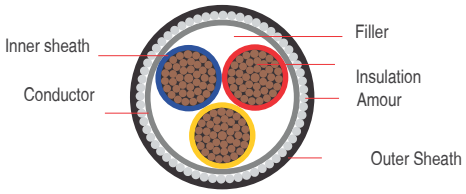
2 Core Armoured Power Cable

Construction:

- **Class: 2** Flexible Copper Wire as per IEC 60228
- **Insulation:** XLPE as per IEC 60502
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** PVC (Poly Vinyl Chloride) ST2 Grade as per BS: 6469
- **Armour:** GI Wire IEC 60502
- **Outer Sheath:** (Poly Vinyl Chloride) ST2 Grade as per BS : 6469



3 Core Armoured Power Cable



Sector shaped 4 Armoured Power Cable

Product Feature

- Requires less space for installation
- Can take Low Dia bends
- Can take occasional Flexing
- High Temp upto 90 Degree

Variant:

- FR • FRLS

Technical Data:

Insulation Resistance: 1 X 10^{14} Ohm-CM

Conductor Class: Class – 2 IEC 60228

Bending Radius: 10 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -15° C to +90° C

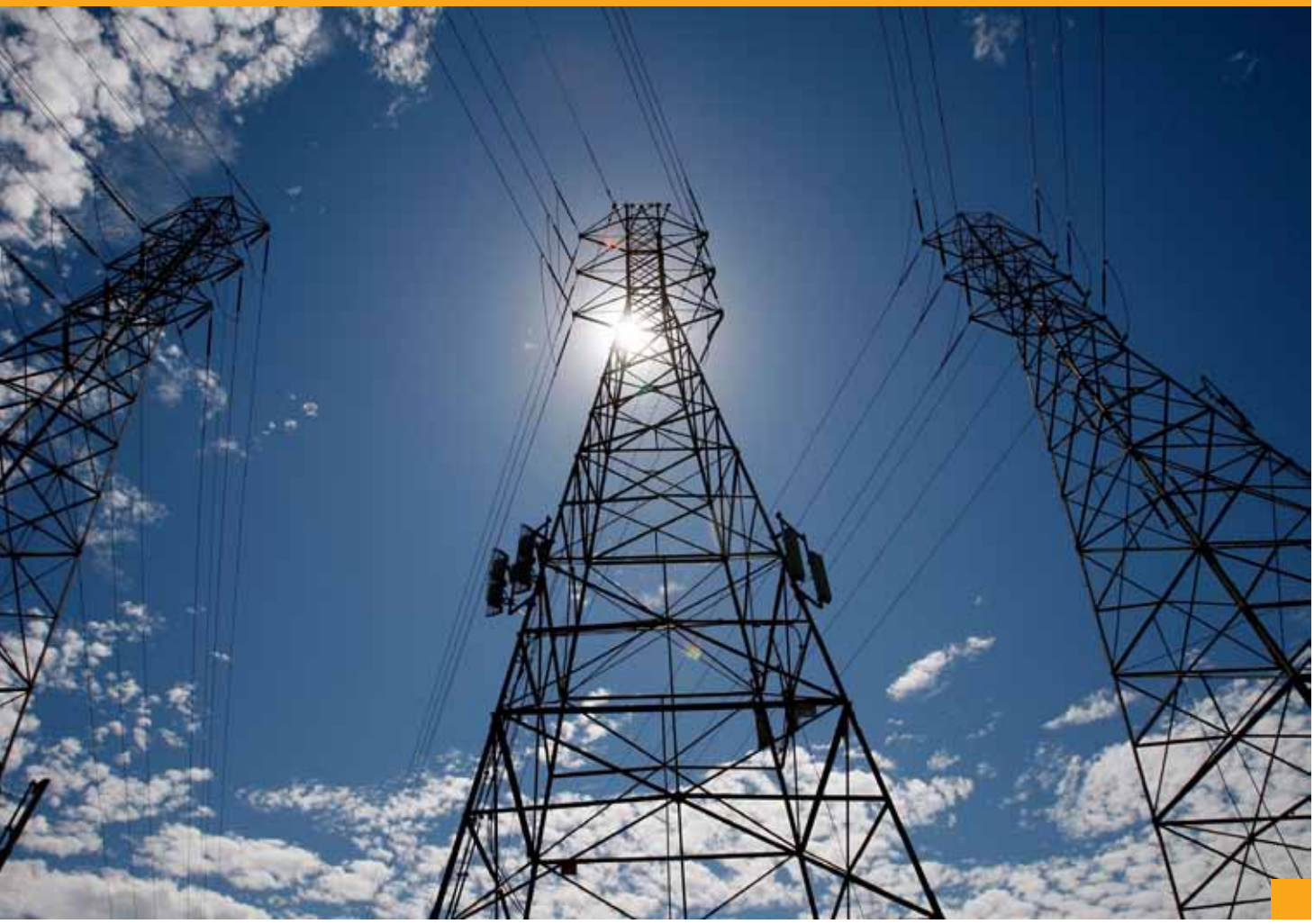
Short Circuiting Temp: 250° C

SUN CABLES

www.suncables.com

Application:

- General & Industrial Application Plant Wiring
- Over & Under Ground Cables
- Area where low bending radius are required



SUN CABLES

www.suncables.com

DIMENSIONAL TABLES, POWER CABLES – COPPER / XLPE / WIRE ARMOURED/ PVC
SINGLE CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
1 X 4.0	7	0.7	10.9	232.18	4.61	53
1 X 6.0	7	0.7	11.4	265.65	3.08	67
1 X 10.0	7	0.7	12.2	327.80	1.83	92
1 X 16.0	7	0.7	13.1	408.16	1.15	124
1 X 25.0	7	0.9	14.6	537.91	0.727	182
1 X 35.0	7	0.9	16.6	762.41	0.524	226
1 X 50.0	19	1	18.1	961.94	0.387	275
1 X 70.0	19	1.1	19.7	1219.37	0.268	353
1 X 95.0	19	1.1	22.0	1597.70	0.193	430
1 X 120.0	37	1.2	23.6	1914.31	0.153	500
1 X 150.0	37	1.4	25.3	2267.68	0.124	577
1 X 185.0	37	1.6	27.4	2697.87	0.0991	661
1 X 240.0	61	1.7	29.9	3340.76	0.0754	781
1 X 300.0	61	1.8	33.1	4214.55	0.0601	902
1 X 400.0	61	2	37.3	5373.20	0.0470	1085
1 X 500.0	61	2.2	40.9	6569.54	0.0366	1253
1 X 630.0	91	2.4	45.3	8412.23	0.0283	1454

1.1 KV Rigid Armoured Copper / XLPE /SWA/ PVC Cables

SUN CABLES

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TWO CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
2 X 4.0	7	0.7	14.6	381.5	4.61	49
2 X 6.0	7	0.7	16.5	546.1	3.08	63
2 X 10.0	7	0.7	18.1	684.2	1.83	86
2 X 16.0	7	0.7	19.9	860.5	1.15	115
2 X 25.0	7	0.9	20.3	1,048.1	0.727	149
2 x 35.0	7	0.9	22.6	1,408.7	0.524	185
2 x 50.0	19	1	24.6	1,783.6	0.387	225
2 x 70.0	19	1.1	27.3	2,296.8	0.268	289
2 x 95.0	19	1.1	29.8	2,835.5	0.193	352
2 x 120.0	37	1.2	33.2	3,653.4	0.153	410

SUN CABLES

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THREE CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
3 X 4.0	7	0.7	15.2	440.7	4.61	42
3 X 6.0	7	0.7	17.2	632.5	3.08	54
3 X 10.0	7	0.7	18.9	814.4	1.83	75
3 X 16.0	7	0.7	20.8	1,050.3	1.15	100
3 X 25.0	7	0.9	23.5	1,499.0	0.727	127
3 X 35.0	7	0.9	25.4	1,868.7	0.524	158
3 X 50.0	19	1	28.5	2,436.6	0.387	192
3 X 70.0	19	1.1	31.9	3,189.7	0.268	246
3 X 95.0	19	1.1	36.4	4,246.7	0.193	298
3 X 120.0	37	1.2	39.6	5,169.6	0.153	346
3 X 150.0	37	1.4	43.5	6,232.0	0.124	399
3 X 185.0	37	1.6	49.1	7,941.4	0.0991	456
3 X 240.0	61	1.7	53.9	9,856.9	0.0754	538

1.1 KV Rigid Armoured Copper / XLPE /SWA/ PVC Cables

1.1 KV Rigid Armoured Copper / XLPE /SWA/ PVC Cables

SUN CABLES

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FOUR CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Number of Strand/Strand Diameter	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
4 X 4.0	7	0.7	17.1	613.2	4.61	42
4 X 6.0	7	0.7	18.3	734.6	3.08	54
4 X 10.0	7	0.7	20.2	963.3	1.83	75
4 X 16.0	7	0.7	21.5	1,262.3	1.15	100
4 X 25.0	7	0.9	25.1	1,747.9	0.727	127
4 X 35.0	7	0.9	27.8	2,218.4	0.524	158
4 X 50.0	19	1	31.7	3,359.5	0.387	192
4 X 70.0	19	1.1	36.4	4,440.8	0.268	246
4 X 95.0	19	1.1	40.5	5,515.4	0.193	298
4 X 120.0	37	1.2	44.9	7,189.5	0.153	346
4 X 150.0	37	1.4	49.8	8,644.6	0.124	399
4 X 185.0	37	1.6	54.7	10,357.3	0.0991	456

ARMOURED CABLES

Rigid Armoured –Low Bending Dia Cu / PVC /SWA/PVC

www.suncables.com

RIGID CABLES

Rigid Armoured –Low Bending Dia Cu / PVC /SWA/PVC

Category: Rigid Cables

Sub Category: Armoured Cables 1.1 KV

Main Characteristics: Low Bending Dia & Space Saving

Name: 1.1 KV Rigid Armoured Copper / PVC /SWA/ PVC Cables

Part No. YWY

Approval: IEC 60502, BS: 6346

Construction:

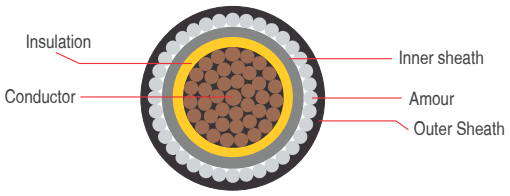
- **Class: 2** Flexible Copper Wire as per IEC 60228
- **Insulation:** PVC as per IS 5831 / BS : 6469
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** PVC ST2 Grade as per BS: 6469
- **Armour:** GI Wire IEC 60502
- **Outer Sheath:** PVC ST2 Grade as per IEC 60502

Product Feature

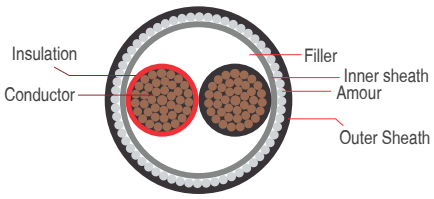
- Requires less space for installation
- Can take low Dia bends
- Better Fire Performance
- Better UV Properties in Insulation

Variant:

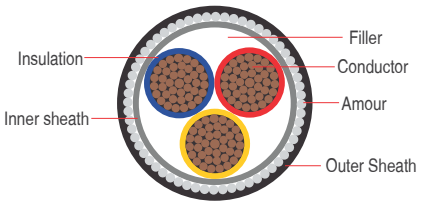
- 70 Degree • 85 Degree • FR • FRLS



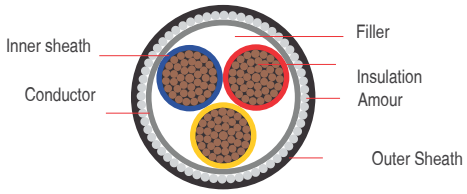
1 Core Armoured Power Cable



2 Core Armoured Power Cable



3 Core Armoured Power Cable



Sector shaped 4 Armoured Power Cable

Technical Data:

Insulation Resistance: 1 X 10^{13} Ohm-CM

Conductor Class: Class – 2 IEC 60228

Bending Radius: 10 X OD (OD= Overall Diameter of Cable)

Voltage Rated: : 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -15° C to +70° C

Short Circuiting Temp: 160° C

SUN CABLES

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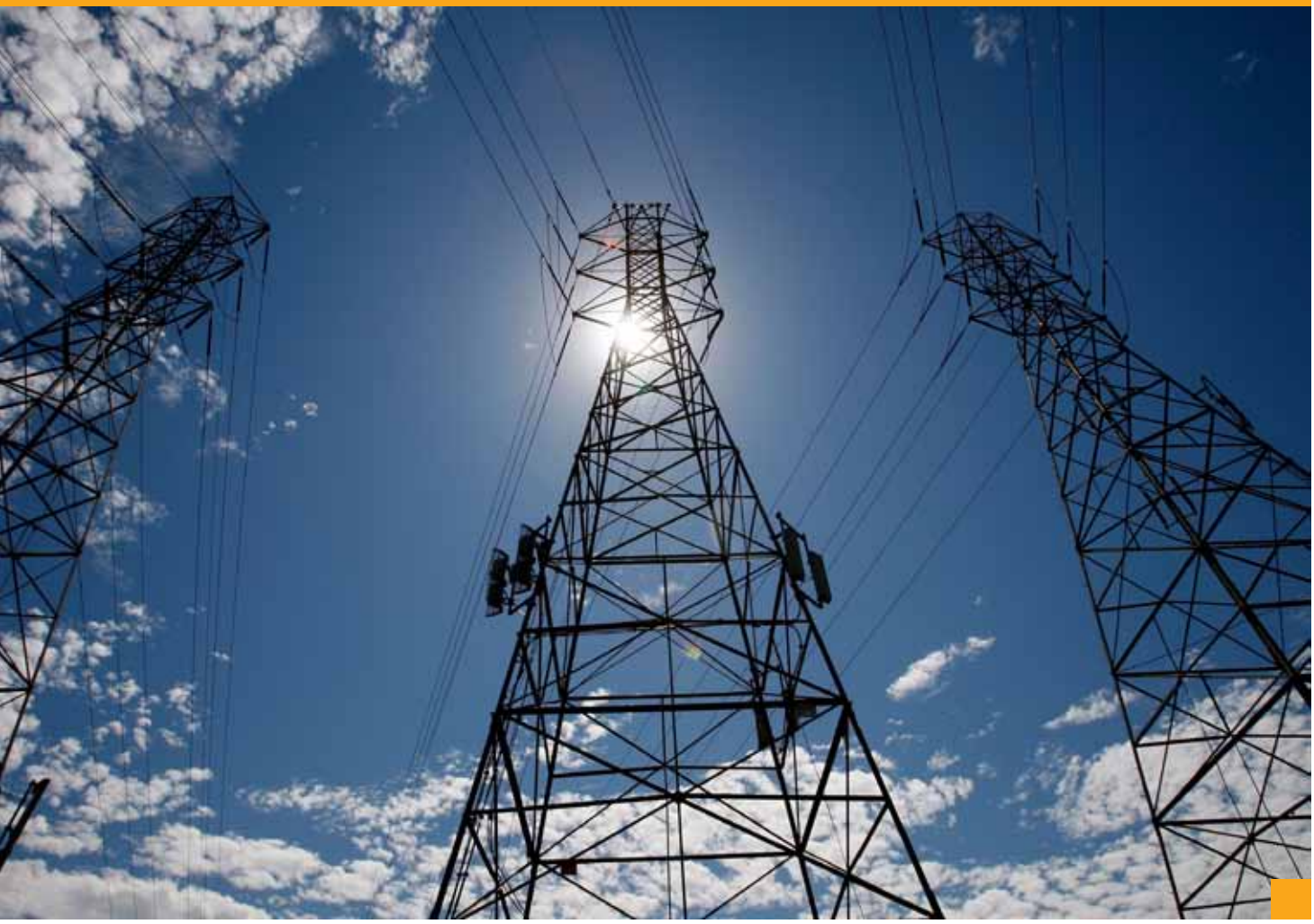
Application:

- General & Industrial Application Plant Wiring
- Over & Under Ground Cables
- Area where low bending radius are required



SUN CABLES

www.suncables.com

DIMENSIONAL TABLES, POWER CABLES – COPPER / PVC / WIRE ARMOURED/ PVC
SINGLE CORE CU COND. PVC INSULATED & PVC SHEATHED WIRE ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
1 X 4.0	7	1	11.5	258.39	4.61	43
1 X 6.0	7	1	12.0	293.10	3.08	55
1 X 10.0	7	1	12.8	357.25	1.83	76
1 X 16.0	7	1	13.7	439.84	1.15	102
1 X 25.0	7	1.2	15.2	575.18	0.727	146
1 X 35.0	7	1.2	17.2	807.95	0.524	181
1 X 50.0	19	1.4	18.9	1025.38	0.387	219
1 X 70.0	19	1.4	20.3	1276.69	0.268	281
1 X 95.0	19	1.6	23.0	1694.53	0.193	341
1 X 120.0	37	1.6	24.4	2003.59	0.153	396
1 X 150.0	37	1.8	26.2	2371.60	0.124	456
1 X 185.0	37	2	28.2	2815.01	0.0991	521
1 X 240.0	61	2.2	31.0	3491.90	0.0754	615
1 X 300.0	61	2.4	34.4	4411.39	0.0601	709
1 X 400.0	61	2.6	38.6	5599.82	0.0470	852
1 X 500.0	61	2.8	42.2	6826.04	0.0366	982
1 X 630.0	91	2.8	46.2	8649.98	0.0283	1138

SUN 1.1 KV Rigid Armoured Copper / PVC /SWA/ PVC Cables


SUN CABLES

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TWO CORE CU COND PVC INSULATED & PVC SHEATHED WIRE ARMOURED CABLES ACCORDING TO IEC 6050

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
2 X 4.0	7	1	15.8	433.3	4.61	40
2 X 6.0	7	1	17.7	610.7	3.08	51
2 X 10.0	7	1	19.3	752.6	1.83	70
2 X 16.0	7	1	21.1	933.2	1.15	94
2 X 25.0	7	1.2	22.2	1,241.0	0.727	119
2 x 35.0	7	1.2	23.8	1,506.0	0.524	148
2 x 50.0	19	1.4	26.2	1,917.6	0.387	180
2 x 70.0	19	1.4	28.5	2,422.6	0.268	232
2 x 95.0	19	1.6	32.0	3,037.3	0.193	282
2 x 120.0	37	1.6	35.0	3,851.3	0.153	328

SUN CABLES

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THREE CORE CU COND PVC INSULATED & PVC SHEATHED WIRE ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
3 X 4.0	7	1	16.5	503.2	4.61	34
3 X 6.0	7	1	18.5	709.6	3.08	43
3 X 10.0	7	1	20.2	897.1	1.83	60
3 X 16.0	7	1	22.8	1253.2	1.15	80
3 X 25.0	7	1.2	24.8	1612.3	0.727	101
3 X 35.0	7	1.2	26.7	1991.9	0.524	126
3 X 50.0	19	1.4	30.3	2616.6	0.387	153
3 X 70.0	19	1.4	34.2	3565.3	0.268	196
3 X 95.0	19	1.6	38.7	4526.7	0.193	238
3 X 120.0	37	1.6	41.5	5427.9	0.153	276
3 X 150.0	37	1.8	46.5	6893.8	0.124	319
3 X 185.0	37	2	50.9	8289.3	0.0991	364
3 X 240.0	61	2.2	56.2	10306.8	0.0754	430

SUN 1.1 KV Rigid Armoured Copper / PVC /SWA/ PVC Cables

SUN CABLES

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FOUR CORE PVC CU COND INSULATED & PVC SHEATHED WIRE ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Number of Strand/Strand Diameter	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
4 X 4.0	7	1	18.5	701.0	4.61	34
4 X 6.0	7	1	19.7	827.1	3.08	43
4 X 10.0	7	1	22.4	1173.8	1.83	60
4 X 16.0	7	1	24.5	1495.9	1.15	80
4 X 25.0	7	1.2	28.4	2036.0	0.727	101
4 X 35.0	7	1.2	31.1	2548.7	0.524	126
4 X 50.0	19	1.4	36.8	3649.2	0.387	153
4 X 70.0	19	1.4	40.6	4660.2	0.268	196
4 X 95.0	19	1.6	46.7	6238.6	0.193	238
4 X 120.0	37	1.6	50.6	7537.2	0.153	276
4 X 150.0	37	1.8	55.5	9036.7	0.124	319
4 X 185.0	37	2	60.5	10799.3	0.0991	364

ARMOURED CABLES

Rigid Armoured –Low Bending Dia Cu /
XLPE /Bunched Armour/PVC

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RIGID CABLES

Rigid Armoured –Low Bending Dia Cu / XLPE /Bunched Armour/PVC

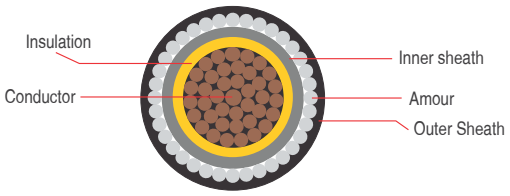
Category: Rigid Cables

Sub Category: Armoured Cables 1.1 KV

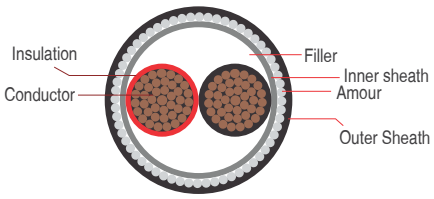
Main Characteristics: Low Bending Dia & Space Saving

Name: 1.1 KV Rigid Armoured Copper / PVC /Bunched Armour/ PVC Cables Part No. 2XWWY

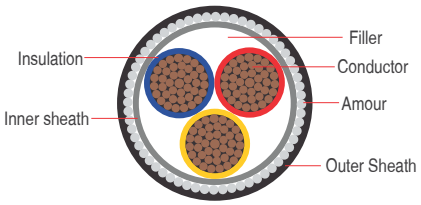
Approval: IEC 60502, BS: 6724



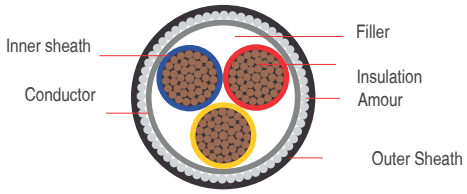
1 Core Armoured Power Cable



2 Core Armoured Power Cable



3 Core Armoured Power Cable



Sector shaped 4 Armoured Power Cable

Construction:

- **Class: 5** Flexible Copper Wire as per IEC 60228
- **Insulation:** PVC (Poly Vinyl Chloride)as per IEC 60502
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** PVC (Poly Vinyl Chloride) ST2 Grade as per BS : 6469
- **Armour:** Bunched GI Wire IS:3975 / IEC 60502
- **Outer Sheath :** PVC (Poly Vinyl Chloride) ST2 Grade as per BS : 6469

Product Feature

- Requires less space for installation
- Can take Low Dia bends
- Can Take Temp up to 90 Degree
- Good Physical protection and less chance of cable damage at time of shifting

Variant:

- FR • FRLS

Technical Data:

Insulation Resistance: 1 X 10^{14} Ohm-CM

Conductor Class: 2 IEC 60228

Bending Radius: 08 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -15° C to +90° C

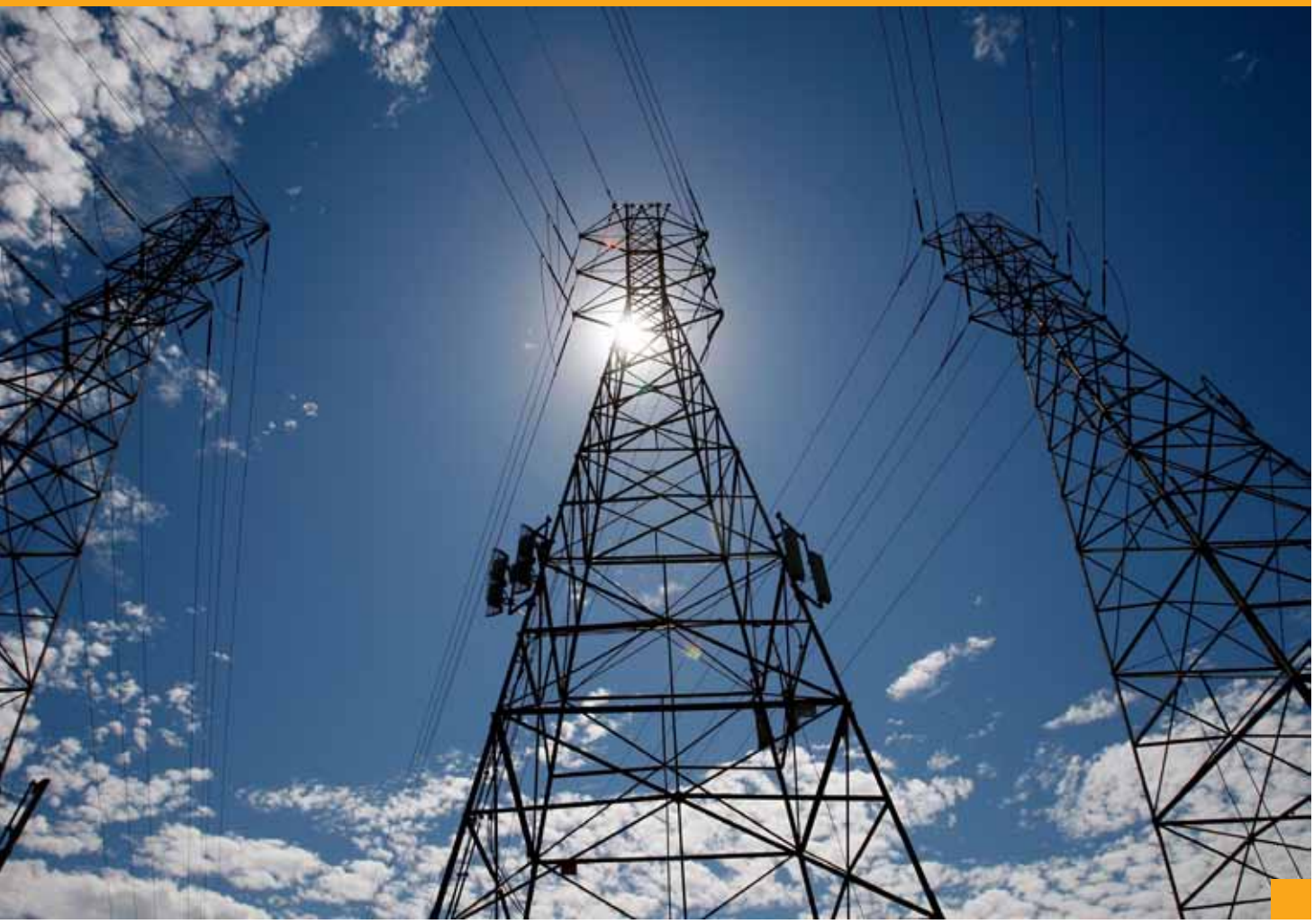
Short Circuiting Temp: 250° C

SUN CABLES

www.suncables.com

Application:

- General & Industrial Application Plant Wiring
- Over & Under Ground Cables
- Area where low bending radius are required
- Can take occasional Flexing



SUN CABLES

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DIMENSIONAL TABLES, POWER FLEXIBLE ARMOURED CABLES – COPPER CLASS – 5 / XLPE / BUNCHED WIRE ARMOURED/ PVC SINGLE CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
1 X 4.0	56/0.30	0.7	12.0	269.16	4.95	53
1 X 6.0	84/0.30	0.7	12.5	305.02	3.30	67
1 X 10.0	80/0.40	0.7	13.3	371.02	1.91	92
1 X 16.0	126/0.40	0.7	14.2	455.69	1.21	124
1 X 25.0	196/0.40	0.9	15.7	592.64	0.780	182
1 X 35.0	276/0.40	0.9	16.8	723.87	0.554	226
1 X 50.0	396/0.40	1	18.3	917.64	0.386	275
1 X 70.0	360/0.50	1.1	19.9	1168.93	0.272	353
1 X 95.0	475/0.50	1.1	21.5	1432.92	0.206	430
1 X 120.0	608/0.580	1.2	23.1	1732.64	0.161	500
1 X 150.0	756/0.50	1.4	24.9	2071.58	0.129	577
1 X 185.0	925/0.50	1.6	26.8	2474.81	0.106	661
1 X 240.0	1221/0.50	1.7	29.4	3091.94	0.0801	781
1 X 300.0	1525/0.50	1.8	33.4	4041.07	0.0641	902
1 X 400.0	2013/0.50	2	37.5	5172.56	0.0486	1085
1 X 500.0	1769/0.50	2.2	41.2	6345.22	0.0384	1253
1 X 630.0	2257/0.50	2.4	44.5	7806.44	0.0287	1454

SUN 1.1 KV Rigid Armoured Copper / PVC /Bunched Armour/ PVC Cables


SUN CABLES

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TWO CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
2 X 4.0	56/0.30	0.7	15.7	436.2	4.95	49
2 X 6.0	84/0.30	0.7	16.7	507.9	3.30	63
2 X 10.0	80/0.40	0.7	18.3	639.9	1.91	86
2 X 16.0	126/0.40	0.7	20.1	809.3	1.21	115
2 X 25.0	196/0.40	0.9	20.5	995.4	0.780	149
2 x 35.0	276/0.40	0.9	22.1	1237.6	0.554	185
2 x 50.0	396/0.40	1	24.1	1591.3	0.386	225
2 x 70.0	360/0.50	1.1	26.7	2074.8	0.272	289
2 x 95.0	475/0.50	1.1	29.3	2587.7	0.206	352
2 x 120.0	608/0.580	1.2	33.5	3479.3	0.161	410

SUN CABLES

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THREE CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
3 X 4.0	56/0.30	0.7	16.3	498.3	4.95	42
3 X 6.0	84/0.30	0.7	17.4	591.7	3.30	54
3 X 10.0	80/0.40	0.7	19.1	767.0	1.91	75
3 X 16.0	126/0.40	0.7	21.0	995.5	1.21	100
3 X 25.0	196/0.40	0.9	23.0	1318.9	0.780	127
3 X 35.0	276/0.40	0.9	24.9	1667.8	0.554	158
3 X 50.0	396/0.40	1	27.9	2202.3	0.386	192
3 X 70.0	360/0.50	1.1	31.4	2920.8	0.272	246
3 X 95.0	475/0.50	1.1	36.6	4052.0	0.206	298
3 X 120.0	608/0.580	1.2	39.9	4953.8	0.161	346
3 X 150.0	756/0.50	1.4	43.8	5990.8	0.129	399
3 X 185.0	925/0.50	1.6	48.2	7276.4	0.106	456
3 X 240.0	1221/0.50	1.7	54.3	9532.0	0.0801	538

SUN CABLES

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FOUR CORE CU COND. XLPE INSULATED & PVC SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Number of Strand/Strand Diameter	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
4 X 4.0	56/0.30	0.7	17.3	572.9	4.95	42
4 X 6.0	84/0.30	0.7	18.5	689.7	3.30	54
4 X 10.0	80/0.40	0.7	20.4	910.9	1.91	75
4 X 16.0	126/0.40	0.7	22.6	1201.6	1.21	100
4 X 25.0	196/0.40	0.9	26.3	1672.2	0.780	127
4 X 35.0	276/0.40	0.9	29.0	2145.3	0.554	158
4 X 50.0	396/0.40	1	34.5	3178.6	0.386	192
4 X 70.0	360/0.50	1.1	39.2	4229.2	0.272	246
4 X 95.0	475/0.50	1.1	43.2	5277.5	0.206	298
4 X 120.0	608/0.580	1.2	47.7	6532.4	0.161	346
4 X 150.0	756/0.50	1.4	53.8	8323.3	0.129	399
4 X 185.0	925/0.50	1.6	58.8	10000.8	0.106	456

ARMOURED CABLES

Rigid Armoured –High Performance Dia Cu /
EPR /Bunched Armour ATC Wire/HOFR

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RIGID CABLES

Rigid Armoured –High Performance Dia Cu / EPR /Bunched Armour ATC Wire/HOFR

Category: Rigid Cables

Sub Category: Armoured Cables 1.1 KV

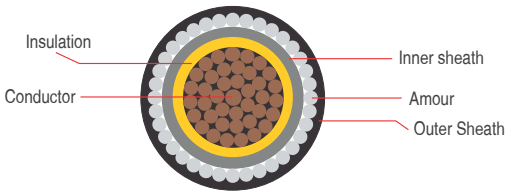
Main Characteristics: High Performance & Space Saving

Name: 1.1 KV Rigid Armoured Copper / EPR /Bunched Armour ATC/ HOFR Cables Part No. RWWR

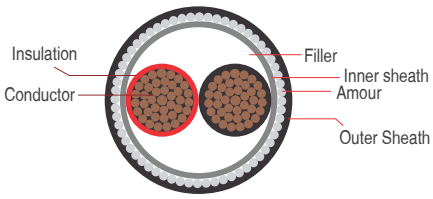
Approval: IEC 60502

Construction:

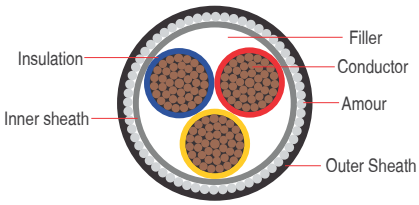
- **Class: 5** Flexible Tinned Copper Wire as per IEC 60228
- **Insulation:** EPR as per IEC 60502 / BS 7655
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** HOFR Grade as per BS 7655
- **Armour:** Bunched Armour wire as per IEC 60228
- **Outer Sheath :** HOFR Grade as per BS 7655



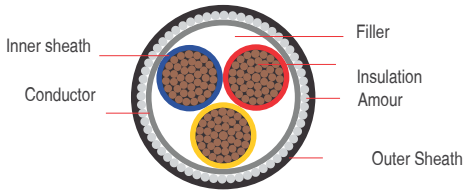
1 Core Armoured Power Cable



2 Core Armoured Power Cable



3 Core Armoured Power Cable



Sector shaped 4 Armoured Power Cable

Product Feature

- Requires less space for installation
- Very good Insulation Properties
- Long Life
- Oil & Chemical Resistance
- Good Weathering Properties
- Can take acute bends
- Good UV & Weathering Resistance
- Can Take Temp up to 90 Degree
- Good Physical protection and less chance of cable damage at time of shifting

Variant:

- FR • Screened • FRLS

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-cm

Conductor Class: 2 IEC 60228

Bending Radius: 08 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -15° C to +90° C

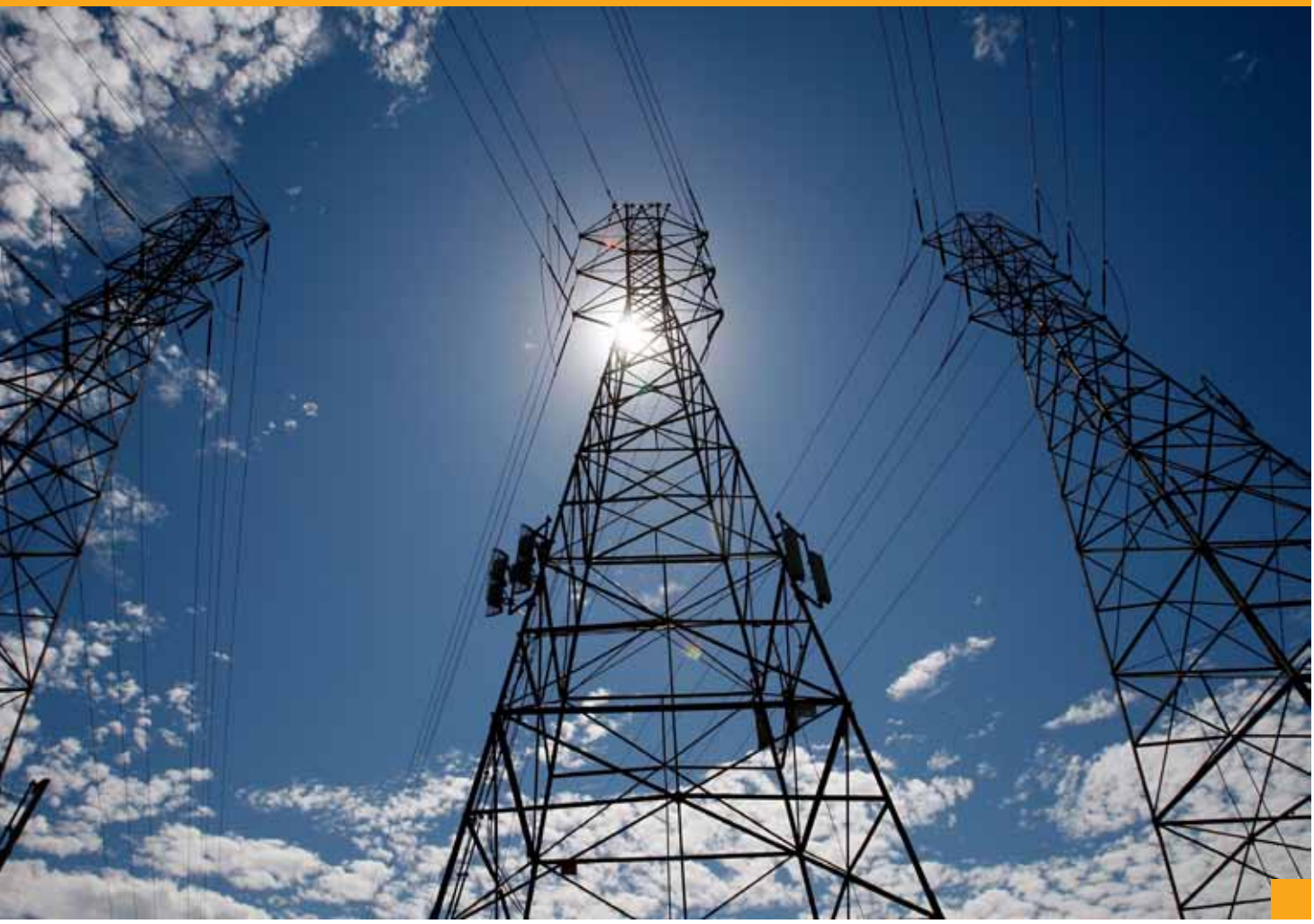
Short Circuiting Temp: 250° C

SUN CABLES

www.suncables.com

Application:

- General & Industrial Application Plant Wiring
- Over & Under Ground Cables
- Area where low bending radius are required
- Can take occasional Flexing
- Indoor & Outdoor Installation



SUN CABLES

www.suncables.com

DIMENSIONAL TABLES, POWER FLEXIBLE ARMOURED CABLES – COPPER CLASS – 5 / EPR / BUNCHED WIRE ARMOURED/ HOFR SINGLE CORE CU COND. CLASS – 5 EPR INSULATED & HOFR SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
1 X 4.0	56/0.30	1	13.8	329.88	5.09	53
1 X 6.0	84/0.30	1	14.9	391.80	3.39	67
1 X 10.0	80/0.40	1	16.0	473.73	1.95	92
1 X 16.0	126/0.40	1	17.1	571.40	1.24	124
1 X 25.0	196/0.40	1.2	19.3	743.21	0.795	182
1 X 35.0	276/0.40	1.2	20.7	896.50	0.554	226
1 X 50.0	396/0.40	1.4	23.2	1146.97	0.393	275
1 X 70.0	360/0.50	1.4	25.2	1428.09	0.277	353
1 X 95.0	475/0.50	1.6	28.1	1777.00	0.210	430
1 X 120.0	608/0.580	1.6	29.9	2100.38	0.164	500
1 X 150.0	756/0.50	1.8	30.6	2406.33	0.132	577
1 X 185.0	925/0.50	2	33.3	2872.82	0.108	661
1 X 240.0	1221/0.50	2.2	40.0	4022.03	0.0817	781
1 X 300.0	1525/0.50	2.4	43.3	4801.20	0.0654	902
1 X 400.0	2013/0.50	2.6	47.9	6002.13	0.0495	1085
1 X 500.0	1769/0.50	2.8	52.4	7289.84	0.0391	1253
1 X 630.0	2257/0.50	2.8	57.0	8886.76	0.0292	1454

SUN 1.1 KV Rigid Armoured Copper / EPR /Bunched Armour ATC/ HOFR Cables


SUN CABLES

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TWO CORE CU COND. CLASS – 5 EPR INSULATED & HOFR SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
2 X 4.0	56/0.30	1	18.9	570.4	5.09	49
2 X 6.0	84/0.30	1	21.2	700.7	3.39	63
2 X 10.0	80/0.40	1	23.4	872.4	1.95	86
2 X 16.0	126/0.40	1	25.7	1076.8	1.24	115
2 X 25.0	196/0.40	1.2	29.9	1441.2	0.795	149
2 x 35.0	276/0.40	1.2	32.9	1764.6	0.554	185
2 x 50.0	396/0.40	1.4	39.4	2655.1	0.393	225
2 x 70.0	360/0.50	1.4	43.5	3293.6	0.277	289
2 x 95.0	475/0.50	1.6	49.3	4108.9	0.210	352
2 x 120.0	608/0.580	1.6	54.2	5235.8	0.164	410

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Core and Size SQ MM	Stranding (Minimum No of strands)	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
3 X 4.0	56/0.30	1	19.8	649.2	5.09	42
3 X 6.0	84/0.30	1	22.2	808.7	3.39	54
3 X 10.0	80/0.40	1	24.6	1029.2	1.95	75
3 X 16.0	126/0.40	1	27.0	1298.1	1.24	100
3 X 25.0	196/0.40	1.2	31.7	1770.5	0.795	127
3 X 35.0	276/0.40	1.2	34.8	2203.1	0.554	158
3 X 50.0	396/0.40	1.4	40.1	2912.6	0.393	192
3 X 70.0	360/0.50	1.4	44.5	3725.4	0.277	246
3 X 95.0	475/0.50	1.6	52.4	5232.9	0.210	298
3 X 120.0	608/0.580	1.6	56.3	6225.8	0.164	346
3 X 150.0	756/0.50	1.8	57.8	7152.8	0.132	399
3 X 185.0	925/0.50	2	63.6	8593.0	0.108	456
3 X 240.0	1221/0.50	2.2	75.8	11639.6	0.0817	538

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FOUR CORE CU COND. CLASS – 5 EPR INSULATED & HOFR SHEATHED ARMOURED CABLES ACCORDING TO IEC 60502

Core and Size SQ MM	Stranding (Number of Strand/Strand Diameter	Nominal Thickness of Insulation mm	Nominal Overall Diameter mm	Approx. Weight kg/km	Max DC Resistance at 20°C	Current rating Amp
4 X 4.0	56/0.30	1	21.1	748.9	5.09	42
4 X 6.0	84/0.30	1	23.8	943.0	3.39	54
4 X 10.0	80/0.40	1	26.5	1218.3	1.95	75
4 X 16.0	126/0.40	1	29.3	1557.7	1.24	100
4 X 25.0	196/0.40	1.2	34.4	2150.8	0.795	127
4 X 35.0	276/0.40	1.2	38.0	2702.0	0.554	158
4 X 50.0	396/0.40	1.4	43.9	3603.6	0.393	192
4 X 70.0	360/0.50	1.4	48.8	4650.3	0.277	246
4 X 95.0	475/0.50	1.6	58.8	6939.0	0.210	298
4 X 120.0	608/0.580	1.6	63.1	8257.2	0.164	346
4 X 150.0	756/0.50	1.8	64.8	9491.2	0.132	399
4 X 185.0	925/0.50	2	71.3	11401.7	0.108	456