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FLEXIBLE 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.

FLEXIBLE CABLES

New Design Special Flexible Al /EPR /CR

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Flexible

Flexible –Al /EPR /CR

Category: Flexible Cables

Sub Category: Aluminium Cables 1.1 KV

Main Characteristics: Light Weight
Name: 1.1 KV Flexible Al / EPR /CR Cables
Part No. H07RN-F (AL)

Approval: IEC 60245 / BS 7919

Construction:

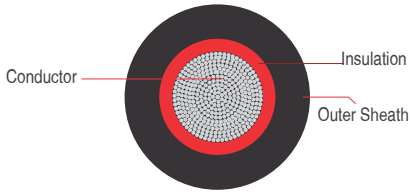
- **Class: 5** Stranded Aluminium Wire as per IS 8130 / IEC 60228
- **Insulation:** EPR as per IS 6380/1984 / VDE 0207
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** CR as per VDE 0207
- **Outer Sheath:** CR as per VDE 0207

Product Feature

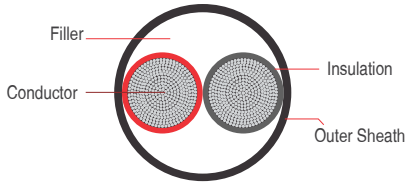
- Very Light Weight
- Easy to Handle
- Very good Insulation Properties
- Long Life
- High Temperature Tolerance upto 105 Degree
- Low bend Radius
- Good Fire Properties
- Oil Resistance

Variant:

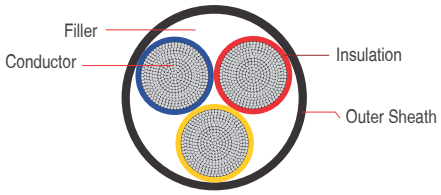
- FR • FRLS



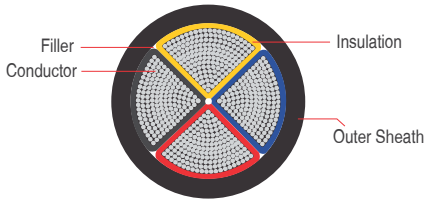
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector Shaped 4 Core Flexible Power Cable

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-km
Conductor Class: 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: -25°C to +90°C
Short Circuiting Temp: 250°C

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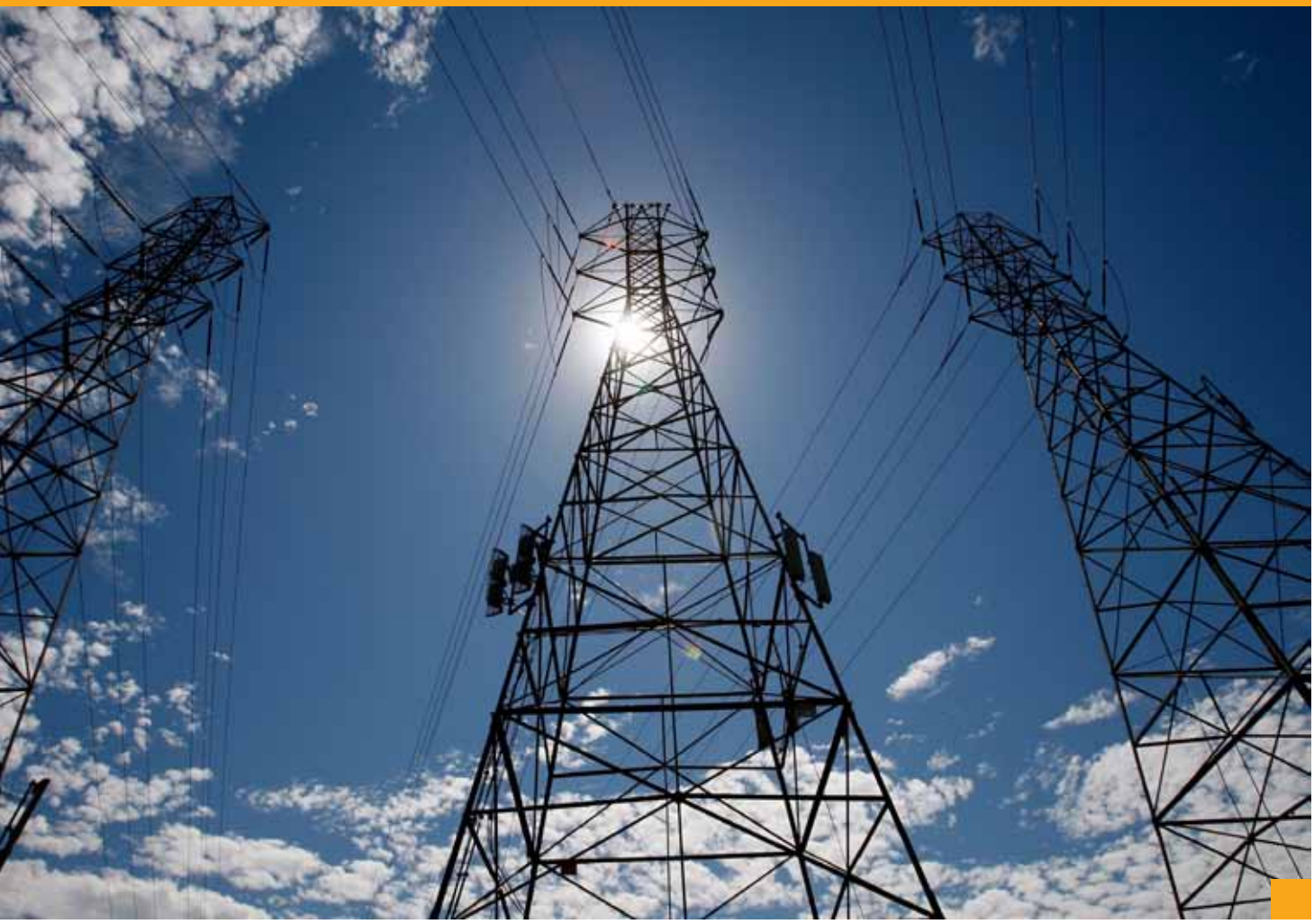
Application:

- General & Industrial Application Plant Wiring
- Over Ground Cables
- For Very High Life Expectancy
- Near Furnaces or any other High Temperature Area
- Where Low Bending is required
- Indoor & Outdoor Installation



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DIMENSIONAL TABLES , POWER FLEXIBLE CABLES – ALUMINIUM
SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	7.6	70.3	7.41	42
1 X 6.0	84/0.30	1	8.7	91.1	4.61	54
1 X 10.0	80/0.40	1.2	10.5	134.3	3.08	75
1 X 16.0	126/0.40	1.2	11.9	172.2	1.91	101
1 X 25.0	196/0.40	1.4	13.9	235.8	1.20	138
1 X 35.0	276/0.40	1.4	15.6	299.5	0.868	172
1 X 50.0	396/0.40	1.6	18.1	402.3	0.641	210
1 X 70.0	360/0.50	1.6	20.4	515.8	0.443	271
1 X 95.0	475/0.50	1.8	23.0	655.5	0.320	332
1 X 120.0	608/0.580	1.8	25.2	790.8	0.253	387
1 X 150.0	756/0.50	2	27.8	962.7	0.206	448
1 X 185.0	925/0.50	2.2	30.6	1164.4	0.164	515
1 X 240.0	1221/0.50	2.4	33.9	1437.3	0.125	611
1 X 300.0	1525/0.50	2.6	36.9	1706.5	0.100	708
1 X 400.0	2013/0.50	2.8	41.6	2172.1	0.0778	856
1 X 500.0	1769/0.50	3	45.9	2655.7	0.0605	991
1 X 630.0	2257/0.50	3	50.3	3195.6	0.0469	1154

SUN 1.1 KV Flexible Al / EPR /CR Cables

SUN 1.1 KV Flexible Al / EPR /CR Cables

SUN CABLES

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TWO CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	13.2	140.9	7.41	38
2 X 6.0	84/0.30	1	15.5	203.1	4.61	49
2 X 10.0	80/0.40	1.2	19.2	311.5	3.08	67
2 X 16.0	126/0.40	1.2	21.7	393.0	1.91	91
2 X 25.0	196/0.40	1.4	26.7	605.7	1.20	108
2 x 35.0	276/0.40	1.4	29.5	733.0	0.868	135
2 x 50.0	396/0.40	1.6	34.0	958.8	0.641	164
2 x 70.0	360/0.50	1.6	38.1	1185.6	0.443	211
2 x 95.0	475/0.50	1.8	42.9	1483.5	0.320	257
2 x 120.0	608/0.580	1.8	46.9	1768.6	0.253	300

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THREE CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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
	56/0.30	1	14.6	195.1	7.41	32
3 X 6.0	84/0.30	1	16.5	255.7	4.61	42
3 X 10.0	80/0.40	1.2	20.5	392.3	3.08	58
3 X 16.0	126/0.40	1.2	23.4	511.2	1.91	77
3 X 25.0	196/0.40	1.4	28.4	764.3	1.20	97
3 X 35.0	276/0.40	1.4	31.5	933.0	0.868	120
3 X 50.0	396/0.40	1.6	36.4	1231.9	0.641	146
3 X 70.0	360/0.50	1.6	40.7	1538.5	0.443	187
3 X 95.0	475/0.50	1.8	46.1	1960.0	0.320	227
3 X 120.0	608/0.580	1.8	50.2	2319.6	0.253	263
3 X 150.0	56/0.30	2	55.3	2806.7	0.206	304
3 X 185.0	84/0.30	2.2	60.8	3378.5	0.164	347
3 X 240.0	80/0.40	2.4	68.2	4239.7	0.125	409

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FOUR CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	16.2	249.5	7.41	32
4 X 6.0	84/0.30	1	18.8	342.0	4.61	42
4 X 10.0	80/0.40	1.2	22.7	494.0	3.08	58
4 X 16.0	126/0.40	1.2	25.9	643.8	1.91	77
4 X 25.0	196/0.40	1.4	31.2	940.8	1.20	97
4 X 35.0	276/0.40	1.4	34.6	1154.0	0.868	120
4 X 50.0	396/0.40	1.6	40.0	1531.0	0.641	146
4 X 70.0	360/0.50	1.6	45.1	1944.0	0.443	187
4 X 95.0	475/0.50	1.8	50.8	2453.2	0.320	227
4 X 120.0	608/0.580	1.8	55.6	2939.8	0.253	263
4 X 150.0	56/0.30	2	61.3	3562.2	0.206	304
4 X 185.0	84/0.30	2.2	67.6	4327.1	0.164	347

FLEXIBLE CABLES

New Design Special Flexible –Al /PVC /PVC

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Flexible

New Design Special Flexible –Al /PVC /PVC

Category: Flexible Cables

Sub Category: Aluminium Cables 1.1 KV

Main Characteristics: Light Weight

Name: 1.1 KV Flexible Al / PVC /PVC Cables

Part No. AYY

Approval: IEC 60502 / BS 6346

Construction:

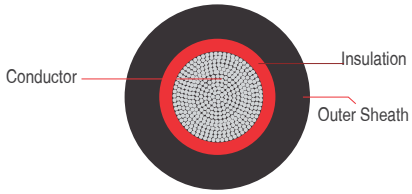
- **Class: 5** Stranded Aluminium Wire as IEC 60228
- **Insulation:** PVC (Poly Vinyl Chloride) as per BS: 6469 / IEC 60502
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** PVC (Poly Vinyl Chloride) IEC 60502/ BS: 6469
- **Outer Sheath:** PVC (Poly Vinyl Chloride) IEC 60502 / BS : 6469

Product Feature

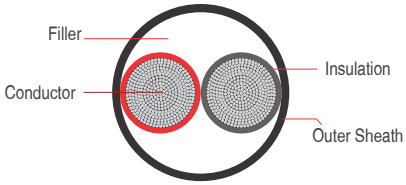
- Very Light Weight
- Easy to Handle
- Flexible with Good Bending Dia
- Can be used for Low cycle Flexing application

Variant:

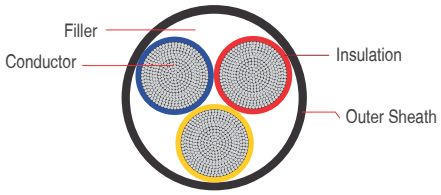
- FR • FRLS



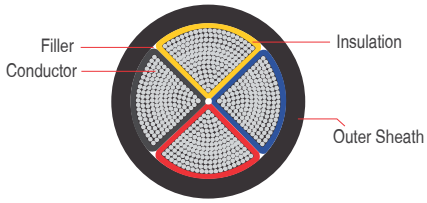
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector Shaped 4 Core Flexible Power Cable

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-km

Conductor Class: 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

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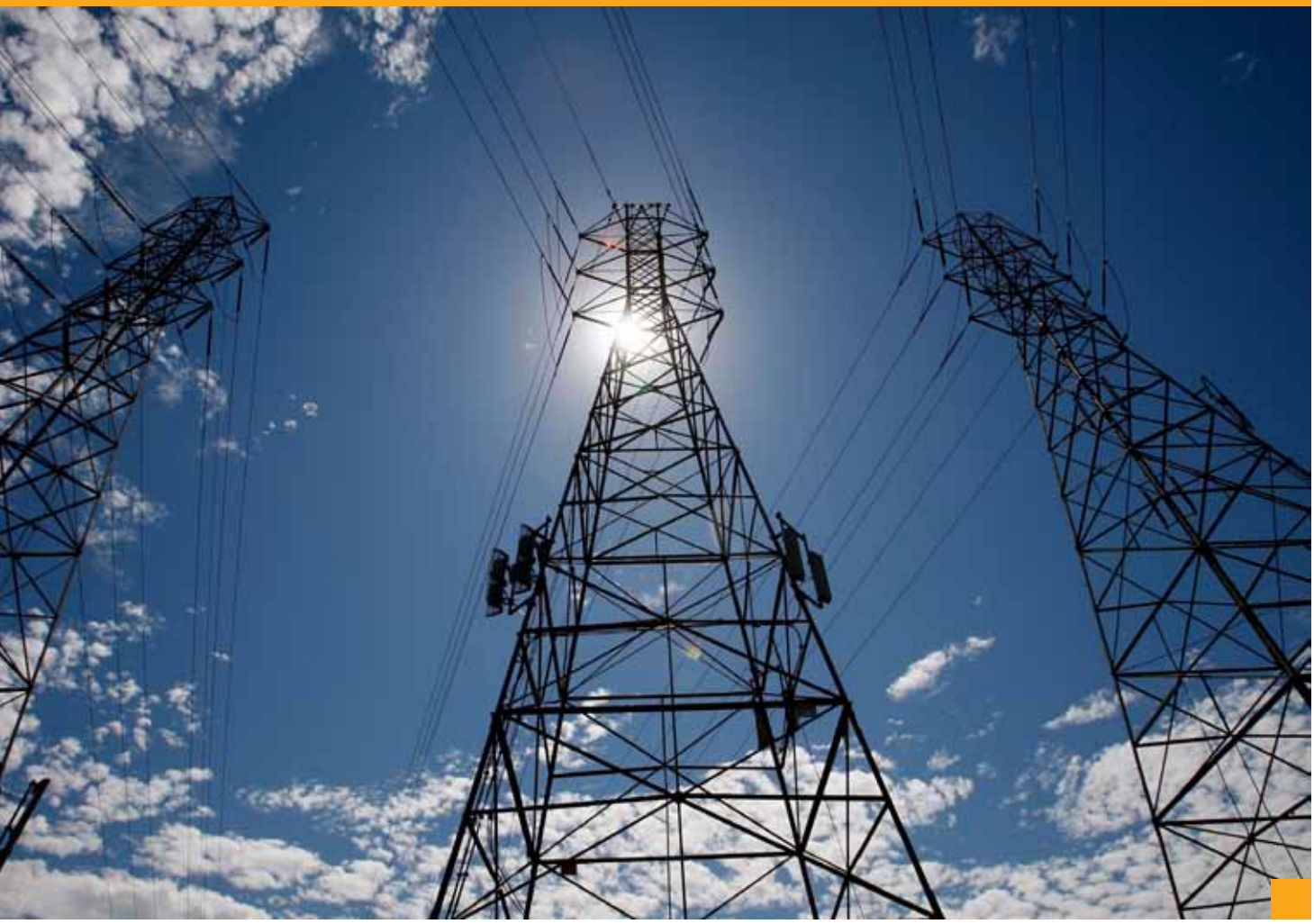
Application:

- General & Industrial Application Plant Wiring
- Over Ground Cables which require Occasional Flexing and Better Bend Radious



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DIMENSIONAL TABLES, POWER FLEXIBLE BRAIDED CABLES – ALUMINIUM / PVC / PVC
SINGLE CORE PVC INSULATED & PVC SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	8.4	85.96	5.09	34
1 X 6.0	84/0.30	1	9.1	99.82	3.39	43
1 X 10.0	80/0.40	1.2	10.1	124.95	1.95	60
1 X 16.0	126/0.40	1.2	11.3	156.07	1.24	81
1 X 25.0	196/0.40	1.4	13.1	210.46	0.795	112
1 X 35.0	276/0.40	1.4	14.4	256.74	0.565	139
1 X 50.0	396/0.40	1.6	16.5	336.30	0.393	169
1 X 70.0	360/0.50	1.6	18.4	422.79	0.277	217
1 X 95.0	475/0.50	1.8	21.0	550.15	0.210	265
1 X 120.0	608/0.50	1.8	22.8	652.52	0.164	308
1 X 150.0	756/0.50	2	25.0	784.91	0.132	356
1 X 185.0	925/0.50	2.2	27.4	941.18	0.108	407
1 X 240.0	1221/0.50	2.4	30.9	1203.33	0.0817	482
1 X 300.0	1525/0.50	2.6	33.9	1450.90	0.0654	557
1 X 400.0	2013/0.50	2.8	38.0	1826.89	0.0495	671
1 X 500.0	1769/0.50	3	42.7	2310.58	0.0391	775
1 X 630.0	2257/0.50	3	48.1	2924.43	0.0292	900

SUN 1.1 KV Flexible Al / PVC /PVC Cables

SUN 1.1 KV Flexible Al / PVC /PVC Cables

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TWO CORE CABLES PVC INSULATED & PVC SHEATHED FLEXIBLE CABLES ACCORDING TO STANDARD IEC 60245

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	13.8	160.5	5.09	31
2 X 6.0	84/0.30	1	15.1	188.2	3.39	39
2 X 10.0	80/0.40	1.2	17.2	238.5	1.95	54
2 X 16.0	126/0.40	1.2	19.9	319.9	1.24	73
2 X 25.0	196/0.40	1.4	23.5	432.2	0.795	89
2 x 35.0	276/0.40	1.4	26.1	527.3	0.565	111
2 x 50.0	396/0.40	1.6	30.6	720.1	0.393	135
2 x 70.0	360/0.50	1.6	34.5	900.6	0.277	173
2 x 95.0	475/0.50	1.8	38.9	1123.3	0.210	210
2 x 120.0	608/0.50	1.8	42.9	1373.2	0.164	244

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THREE CORE CABLES PVC INSULATED & PVC SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	1	14.6	195.1	5.09	26
3 X 6.0	84/0.30	1	15.9	232.0	3.39	33
3 X 10.0	80/0.40	1.2	18.2	299.7	1.95	46
3 X 16.0	126/0.40	1.2	21.1	404.9	1.24	61
3 X 25.0	196/0.40	1.4	25.0	558.6	0.795	78
3 X 35.0	276/0.40	1.4	27.8	690.4	0.565	96
3 X 50.0	396/0.40	1.6	32.7	949.9	0.393	117
3 X 70.0	360/0.50	1.6	36.9	1203.3	0.277	150
3 X 95.0	475/0.50	1.8	42.0	1558.5	0.210	183
3 X 120.0	608/0.50	1.8	45.9	1858.4	0.164	212
3 X 150.0	56/0.30	2	51.0	2296.3	0.132	245
3 X 185.0	84/0.30	2.2	56.5	2815.6	0.108	280
3 X 240.0	80/0.40	2.4	64.1	3637.2	0.0817	330

SUN CABLES

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FOUR CORE CABLES PVC INSULATED & PVC SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	15.8	233.9	5.09	26
4 X 6.0	84/0.30	1	17.4	280.5	3.39	33
4 X 10.0	80/0.40	1.2	20.3	386.1	1.95	46
4 X 16.0	126/0.40	1.2	23.1	497.3	1.24	61
4 X 25.0	196/0.40	1.4	27.5	694.2	0.795	78
4 X 35.0	276/0.40	1.4	31.1	894.1	0.565	96
4 X 50.0	396/0.40	1.6	36.0	1193.5	0.393	117
4 X 70.0	360/0.50	1.6	41.1	1561.7	0.277	150
4 X 95.0	475/0.50	1.8	46.8	2020.8	0.210	183
4 X 120.0	608/0.50	1.8	51.6	2465.2	0.164	212
4 X 150.0	56/0.30	2	57.3	3037.3	0.132	245
4 X 185.0	84/0.30	2.2	63.4	3715.4	0.108	280

FLEXIBLE CABLES

New Design Special Flexible –AI /EPR /
Braided reinforcement /HOFR

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Flexible

New Design Special Flexible –Al /EPR / Braided reinforcement /HOFR

Category: Flexible Cables

Sub Category: Aluminium Cables 1.1 KV

Main Characteristics: Light Weight

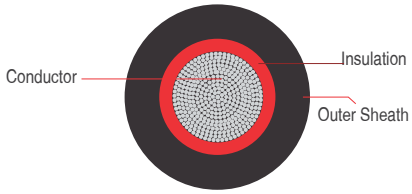
Name: 1.1 KV Flexible Al / EPR /Braid /HOFR Cables

Part No. HO7RN –F (AL)

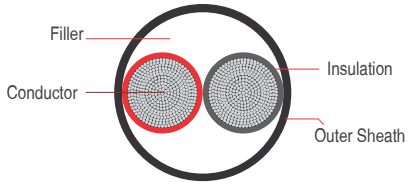
Approval: IEC 60245 / IEC 60502

Construction:

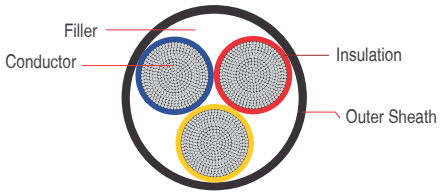
- **Class: 5** Stranded Aluminium Wire as IEC 60228
- **Insulation:** EPR as per IEC 60502/ BS: 7655
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** HOFR as per IEC 60502 / BS : 7655
- **Braid :** Cotton / Nylon Thread Braid
- **Outer Sheath:** HOFR as per IEC 60502 / BS : 7655



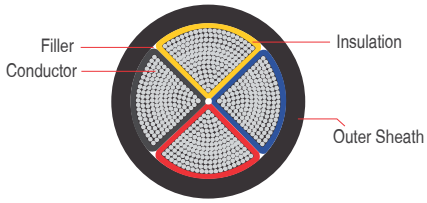
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector Shaped 4 Core Flexible Power Cable

Product Feature

- Very Light Weight
- Easy to Handle
- Very good Insulation Properties
- Long Life
- High Temperature Tolerance upto 90 Degree
- Low bend Radius
- Oil Resistance
- Good Physical properties than Al / EPR / CR

Variant:

- FR

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-Km

Conductor Class: Class – 2 IEC 60228

Bending Radius: 8 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -25°C to +90° C

Short Circuiting Temp: 250°C

SUN CABLES

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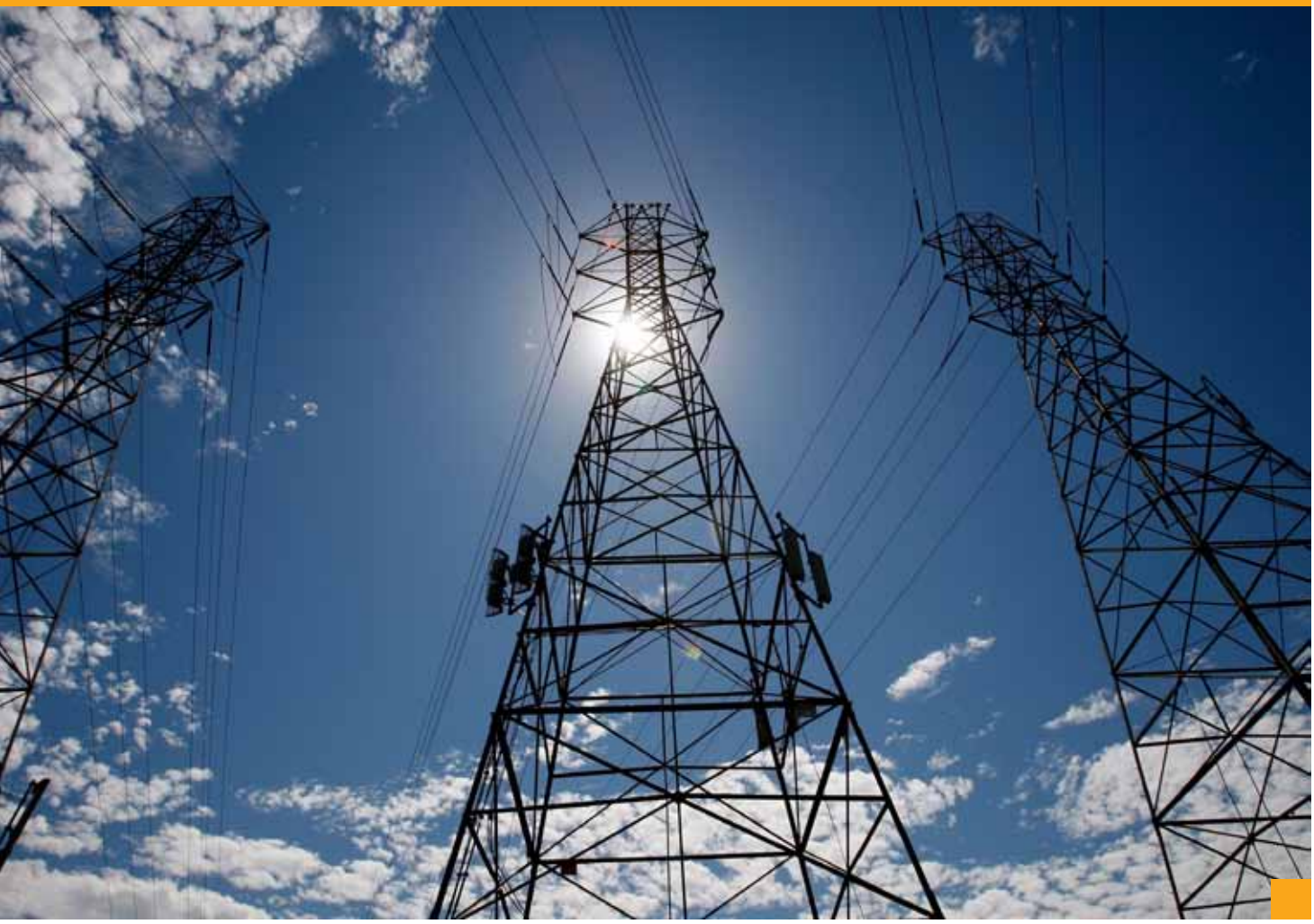
Application:

- General & Industrial Application Plant Wiring
- Over Ground Cables
- For Very High Life Expectancy
- Near Furnaces or any other High Temperature Area
- Where Low Bending is required
- Indoor & Outdoor Installation



SUN CABLES

www.suncables.com

POWER FLEXIBLE BRAIDED CABLES - ALUMINIUM
SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	8.5	95.64	7.41	42
1 X 6.0	84/0.30	1	9.2	110.49	4.61	54
1 X 10.0	80/0.40	1.2	11.0	158.35	3.08	75
1 X 16.0	126/0.40	1.2	12.4	199.64	1.91	101
1 X 25.0	196/0.40	1.4	14.8	282.47	1.20	138
1 X 35.0	276/0.40	1.4	16.1	335.82	0.868	172
1 X 50.0	396/0.40	1.6	18.6	444.31	0.641	210
1 X 70.0	360/0.50	1.6	20.7	553.31	0.443	271
1 X 95.0	475/0.50	1.8	23.7	721.44	0.320	332
1 X 120.0	608/0.580	1.8	25.5	837.91	0.253	387
1 X 150.0	756/0.50	2	28.5	1042.34	0.206	448
1 X 185.0	925/0.50	2.2	30.9	1221.59	0.164	515
1 X 240.0	1221/0.50	2.4	34.4	1517.81	0.125	611
1 X 300.0	1525/0.50	2.6	38.0	1813.08	0.100	708
1 X 400.0	2013/0.50	2.8	42.5	2313.20	0.0778	856
1 X 500.0	1769/0.50	3	46.8	2811.96	0.0605	991
1 X 630.0	2257/0.50	3	51.0	3341.89	0.0469	1154

SUN 1.1 KV Flexible Al / EPR /Braid /HOFR Cables

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TWO CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	14.58	215.2	7.41	38
2 X 6.0	84/0.30	1	15.86	248.7	4.61	49
2 X 10.0	80/0.40	1.2	19.55	368.5	3.08	67
2 X 16.0	126/0.40	1.2	21.86	447.6	1.91	91
2 X 25.0	196/0.40	1.4	26.27	633.6	1.20	108
2 x 35.0	276/0.40	1.4	28.91	750.6	0.868	135
2 x 50.0	396/0.40	1.6	33.84	1013.5	0.641	164
2 x 70.0	360/0.50	1.6	37.7	1229.8	0.443	211
2 x 95.0	475/0.50	1.8	42.87	1576.1	0.320	257
2 x 120.0	608/0.580	1.8	46.49	1824.9	0.253	300

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THREE CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	1	15.75	268.7	7.41	32
3 X 6.0	84/0.30	1	17.13	313.1	4.61	42
3 X 10.0	80/0.40	1.2	20.66	443.3	3.08	58
3 X 16.0	126/0.40	1.2	24.95	653.1	1.91	77
3 X 25.0	196/0.40	1.4	29.45	892.6	1.20	97
3 X 35.0	276/0.40	1.4	33.31	1140.9	0.868	120
3 X 50.0	396/0.40	1.6	38.76	1529.2	0.641	146
3 X 70.0	360/0.50	1.6	43.13	1871.7	0.443	187
3 X 95.0	475/0.50	1.8	48.85	2384.1	0.320	227
3 X 120.0	608/0.580	1.8	52.96	2781.5	0.253	263
3 X 150.0	56/0.30	2	57.7	3259.2	0.206	304
3 X 185.0	84/0.30	2.2	63.4	3907.4	0.164	347
3 X 240.0	80/0.40	2.4	70.21	4729.7	0.125	409

SUN CABLES

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FOUR CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO TO IEC 60245 / 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	17.01	314.4	7.41	32
4 X 6.0	84/0.30	1	18.56	369.3	4.61	42
4 X 10.0	80/0.40	1.2	22.46	528.5	3.08	58
4 X 16.0	126/0.40	1.2	27.05	774.1	1.91	77
4 X 25.0	196/0.40	1.4	32.02	1066.8	1.20	97
4 X 35.0	276/0.40	1.4	36.22	1365.2	0.868	120
4 X 50.0	396/0.40	1.6	42.21	1837.8	0.641	146
4 X 70.0	360/0.50	1.6	47.09	2266.5	0.443	187
4 X 95.0	475/0.50	1.8	53.37	2894.7	0.320	227
4 X 120.0	608/0.580	1.8	57.95	3394.5	0.253	263
4 X 150.0	56/0.30	2	63.27	4001.9	0.206	304
4 X 185.0	84/0.30	2.2	69.58	4812.4	0.164	347

FLEXIBLE CABLES

New Design Special Flexible –Al /PVC /TPR

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Flexible

New Design Special Flexible –Al /PVC /TPR

Category: Flexible Cables

Sub Category: Aluminium Cables 1.1 KV

Main Characteristics: Light Weight & Oil Retardant

Name: 1.1 KV Flexible Al / PVC /TPR Cables
Part No. Y-TPR

Approval: IEC 60502

Construction:

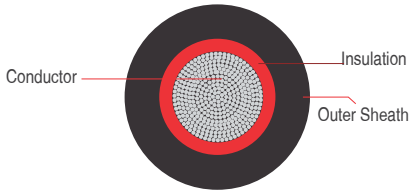
- **Class: 5** Stranded Aluminium Wire as per IS 8130 / IEC 60228
- **Insulation:** PVC (Poly Vinyl Chloride) as per IEC 60502 / BS : 6469
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** TPR ST1 or (Poly Vinyl Chloride) IEC 60502 / BS : 6469
- **Outer Sheath:** TPR ST1 or (Poly Vinyl Chloride) IEC 60502 / BS: 6469

Product Feature

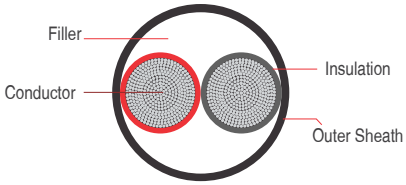
- Very Light Weight
- Easy to Handle
- Flexible with Good Bending Dia
- Can be used for Low cycle Flexing application
- Oil Resistant
- Better Aberration Resistance

Variant:

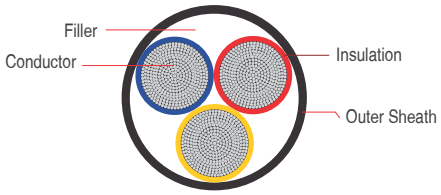
- FR • FRLS



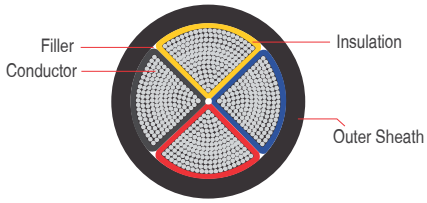
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector Shaped 4 Core Flexible Power Cable

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-Km

Conductor Class: Class – 2 IEC 60228

Bending Radius: 8 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -25° C to +90° C

Short Circuiting Temp: 250° C

SUN CABLES

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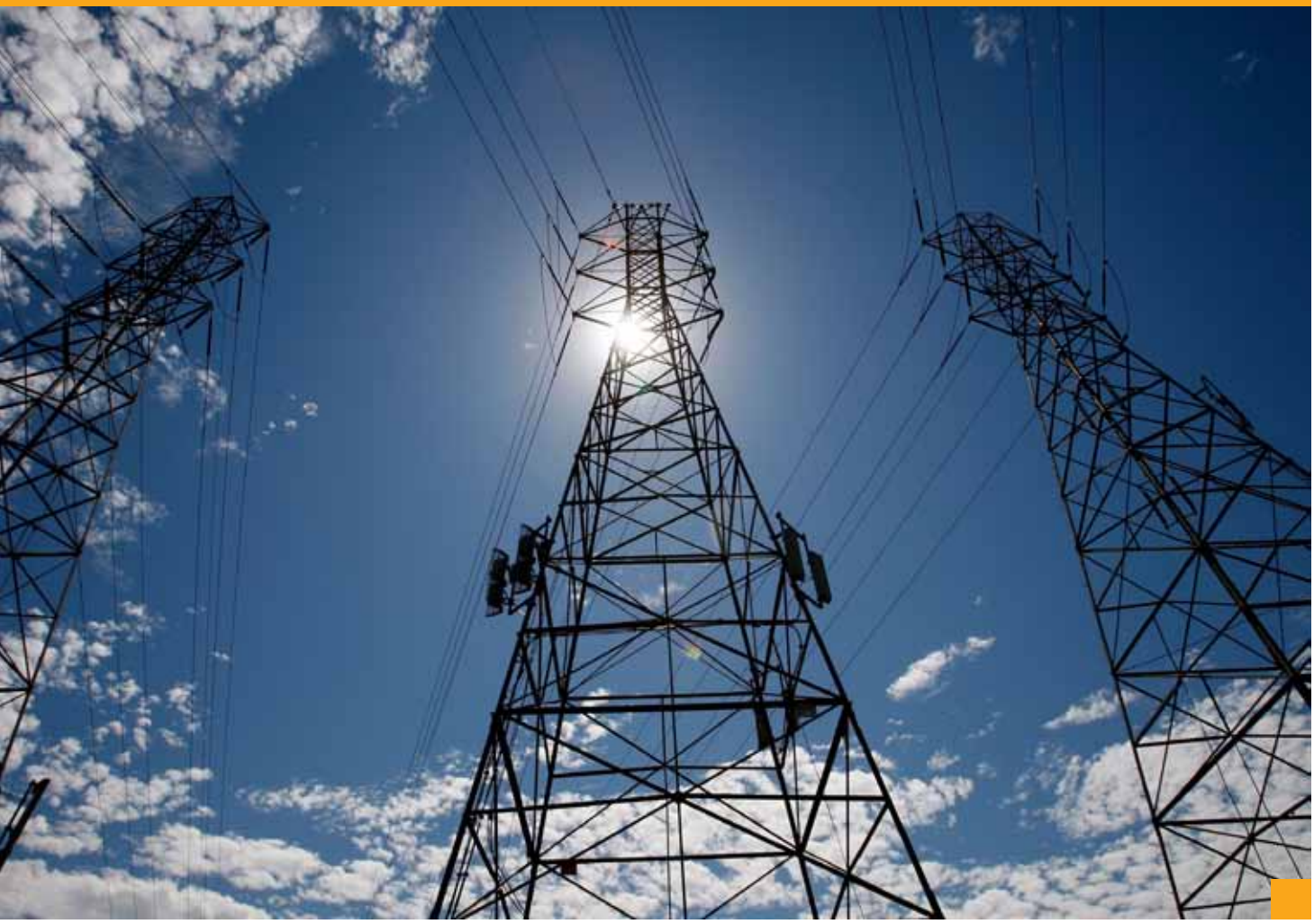
Application:

- General & Industrial Application Plant Wiring
- Over Ground Cables which require Occasional Flexing and Better Bend Radious



SUN CABLES

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DIMENSIONAL TABLES, POWER FLEXIBLE BRAIDED CABLES – ALUMINIUM / PVC / TPR
SINGLE CORE PVC INSULATED & TPR SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	8.4	85.96	5.09	34
1 X 6.0	84/0.30	1	9.1	99.82	3.39	43
1 X 10.0	80/0.40	1.2	10.1	124.95	1.95	60
1 X 16.0	126/0.40	1.2	11.3	156.07	1.24	81
1 X 25.0	196/0.40	1.4	13.1	210.46	0.795	112
1 X 35.0	276/0.40	1.4	14.4	256.74	0.565	139
1 X 50.0	396/0.40	1.6	16.5	336.30	0.393	169
1 X 70.0	360/0.50	1.6	18.4	422.79	0.277	217
1 X 95.0	475/0.50	1.8	21.0	550.15	0.210	265
1 X 120.0	608/0.50	1.8	22.8	652.52	0.164	308
1 X 150.0	756/0.50	2	25.0	784.91	0.132	356
1 X 185.0	925/0.50	2.2	27.4	941.18	0.108	407
1 X 240.0	1221/0.50	2.4	30.9	1203.33	0.0817	482
1 X 300.0	1525/0.50	2.6	33.9	1450.90	0.0654	557
1 X 400.0	2013/0.50	2.8	38.0	1826.89	0.0495	671
1 X 500.0	1769/0.50	3	42.7	2310.58	0.0391	775
1 X 630.0	2257/0.50	3	48.1	2924.43	0.0292	900

SUN 1.1 KV Flexible Al / PVC /TPR Cables


SUN CABLES

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TWO CORE CABLES PVC INSULATED & TPR SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	13.8	160.5	5.09	31
2 X 6.0	84/0.30	1	15.1	188.2	3.39	39
2 X 10.0	80/0.40	1.2	17.2	238.5	1.95	54
2 X 16.0	126/0.40	1.2	19.9	319.9	1.24	73
2 X 25.0	196/0.40	1.4	23.5	432.2	0.795	89
2 x 35.0	276/0.40	1.4	26.1	527.3	0.565	111
2 x 50.0	396/0.40	1.6	30.6	720.1	0.393	135
2 x 70.0	360/0.50	1.6	34.5	900.6	0.277	173
2 x 95.0	475/0.50	1.8	38.9	1123.3	0.210	210
2 x 120.0	608/0.50	1.8	42.9	1373.2	0.164	244

SUN CABLES

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THREE CORE CABLES PVC INSULATED & TPR SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	1	14.6	195.1	5.09	26
3 X 6.0	84/0.30	1	15.9	232.0	3.39	33
3 X 10.0	80/0.40	1.2	18.2	299.7	1.95	46
3 X 16.0	126/0.40	1.2	21.1	404.9	1.24	61
3 X 25.0	196/0.40	1.4	25.0	558.6	0.795	78
3 X 35.0	276/0.40	1.4	27.8	690.4	0.565	96
3 X 50.0	396/0.40	1.6	32.7	949.9	0.393	117
3 X 70.0	360/0.50	1.6	36.9	1203.3	0.277	150
3 X 95.0	475/0.50	1.8	42.0	1558.5	0.210	183
3 X 120.0	608/0.50	1.8	45.9	1858.4	0.164	212
3 X 150.0	56/0.30	2	51.0	2296.3	0.132	245
3 X 185.0	84/0.30	2.2	56.5	2815.6	0.108	280
3 X 240.0	80/0.40	2.4	64.1	3637.2	0.0817	330

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FOUR CORE CABLES PVC INSULATED & TPR SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	15.8	233.9	5.09	26
4 X 6.0	84/0.30	1	17.4	280.5	3.39	33
4 X 10.0	80/0.40	1.2	20.3	386.1	1.95	46
4 X 16.0	126/0.40	1.2	23.1	497.3	1.24	61
4 X 25.0	196/0.40	1.4	27.5	694.2	0.795	78
4 X 35.0	276/0.40	1.4	31.1	894.1	0.565	96
4 X 50.0	396/0.40	1.6	36.0	1193.5	0.393	117
4 X 70.0	360/0.50	1.6	41.1	1561.7	0.277	150
4 X 95.0	475/0.50	1.8	46.8	2020.8	0.210	183
4 X 120.0	608/0.50	1.8	51.6	2465.2	0.164	212
4 X 150.0	56/0.30	2	57.3	3037.3	0.132	245
4 X 185.0	84/0.30	2.2	63.4	3715.4	0.108	280

SUN 1.1 KV Flexible Al / PVC /TPR Cables


FLEXIBLE CABLES

Standard Flexible –Cu /EPR /HOFR

SUN CABLES

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Flexible

Standard Flexible –Cu /EPR /HOFR

Category: Flexible Cables

Sub Category: Copper Cables 1.1 KV

Main Characteristics: Heat, Oil Resistant with Good Physical Strength

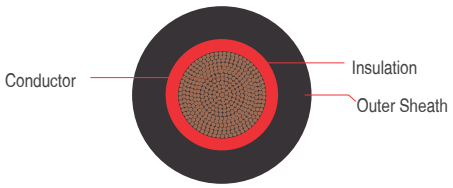
Name: 1.1 KV Flexible Cu / EPR /HOFR Cables

Part No. H07RN-F

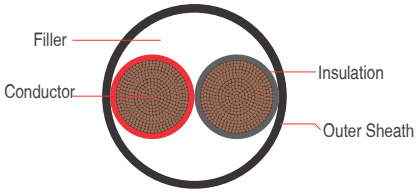
Approval: IS 9968/Pt-1/1988

Construction:

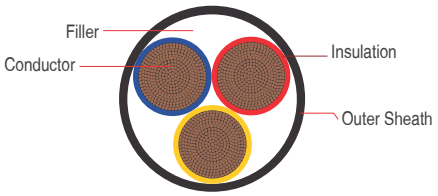
- **Class: 5** Stranded Tinned Copper Wire as per IEC 60228
- **Insulation:** EPR as per IEC 60502 / BS : 7655
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** HOFR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



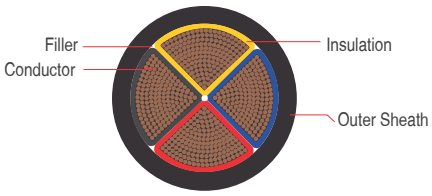
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector shaped 4 Flexible Power Cable

Product Feature

- Easy to Handle
- Very good Insulation Properties
- Long Life
- High Temperature Tolerance upto 90 Degree
- Low bend Radius
- Oil Resistance
- Very Good Physical properties (i.e. Stress, Aberration)

Variant:

- FR

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-Km

Conductor Class: Class – 2 IEC 60228

Bending Radius: 8 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -25°C to +90°C

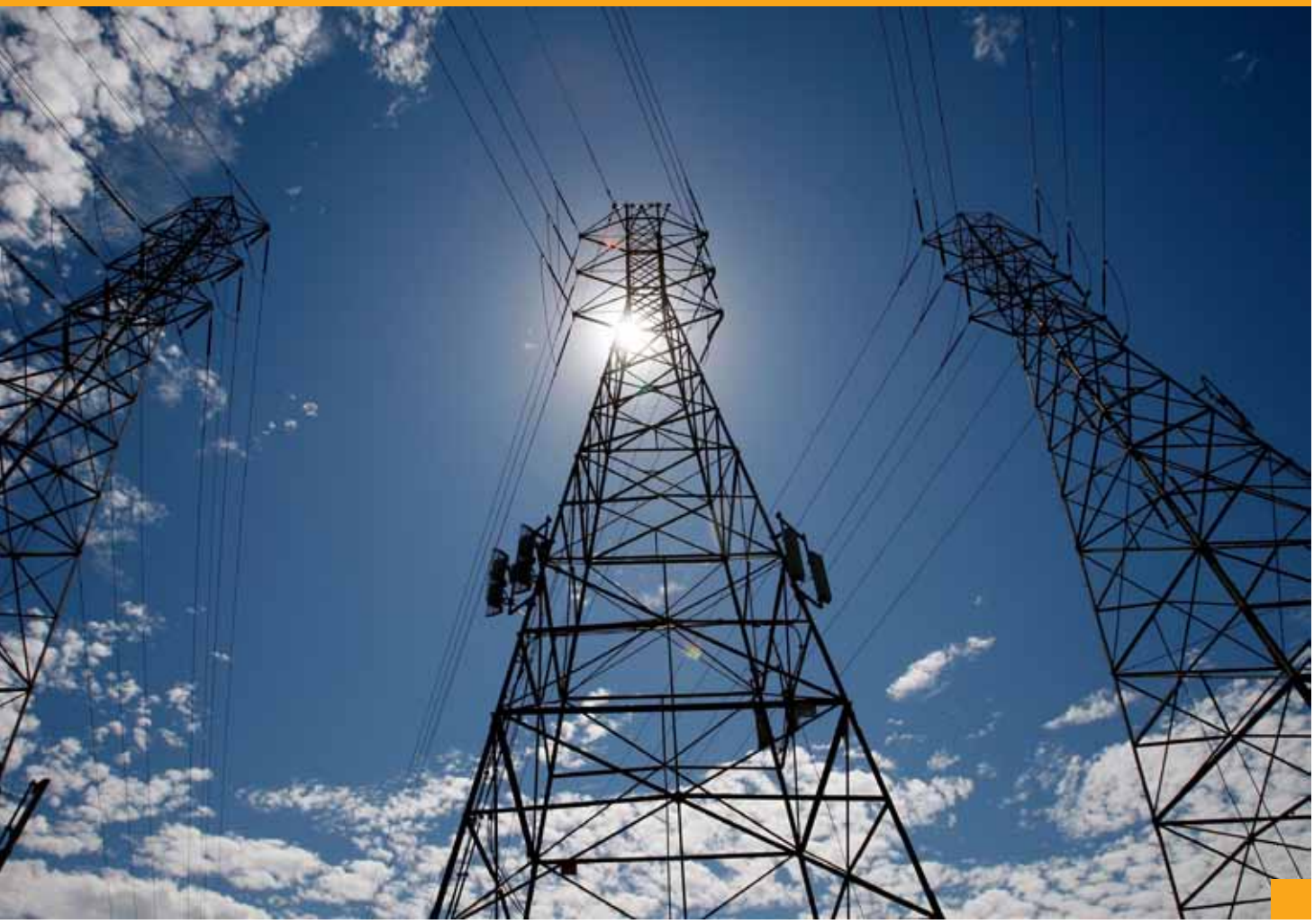
Short Circuiting Temp: 250°C

SUN CABLES

www.suncables.com

Application:

- General & Industrial Application Plant Wiring
- For Very High Life Expectancy
- Near Furnaces or any other High Temperature Area
- Where Low Bending is required
- Indoor & Outdoor Installation
- High Flexing Cycle



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DIMENSIONAL TABLES, POWER FLEXIBLE CABLES – COPPER
SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	7.6	95.29	7.41	53
1 X 6.0	84/0.30	1	8.7	128.65	4.61	67
1 X 10.0	80/0.40	1.2	10.5	197.81	3.08	92
1 X 16.0	126/0.40	1.2	11.9	272.16	1.91	124
1 X 25.0	196/0.40	1.4	13.9	391.23	1.20	182
1 X 35.0	276/0.40	1.4	15.6	518.40	0.868	226
1 X 50.0	396/0.40	1.6	18.1	716.35	0.641	275
1 X 70.0	360/0.50	1.6	20.4	961.88	0.443	353
1 X 95.0	475/0.50	1.8	23.0	1244.11	0.320	430
1 X 120.0	608/0.580	1.8	25.2	1544.26	0.253	500
1 X 150.0	756/0.50	2	27.8	1899.50	0.206	577
1 X 185.0	925/0.50	2.2	30.6	2324.22	0.164	661
1 X 240.0	1221/0.50	2.4	33.9	2950.31	0.125	781
1 X 300.0	1525/0.50	2.6	36.9	3596.18	0.100	902
1 X 400.0	2013/0.50	2.8	41.6	4666.53	0.0778	1085
1 X 500.0	1769/0.50	3	45.9	5812.21	0.0605	1253
1 X 630.0	2257/0.50	3	50.3	7222.83	0.0469	1454

1.1 KV Flexible Cu / EPR /HOFR Cables


SUN CABLES

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TWO CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	13.2	190.8	7.41	49
2 X 6.0	84/0.30	1	15.5	278.0	4.61	63
2 X 10.0	80/0.40	1.2	19.2	438.4	3.08	86
2 X 16.0	126/0.40	1.2	21.7	592.9	1.91	115
2 X 25.0	196/0.40	1.4	26.7	916.6	1.20	149
2 x 35.0	276/0.40	1.4	29.5	1170.7	0.868	185
2 x 50.0	396/0.40	1.6	34.0	1586.8	0.641	225
2 x 70.0	360/0.50	1.6	38.1	2077.8	0.443	289
2 x 95.0	475/0.50	1.8	42.9	2660.7	0.320	352
2 x 120.0	608/0.580	1.8	46.9	3275.4	0.253	410

SUN CABLES

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THREE CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	1	14.6	270.1	7.41	42
3 X 6.0	84/0.30	1	16.5	368.1	4.61	54
3 X 10.0	80/0.40	1.2	20.5	582.6	3.08	75
3 X 16.0	126/0.40	1.2	23.4	811.0	1.91	100
3 X 25.0	196/0.40	1.4	28.4	1230.6	1.20	127
3 X 35.0	276/0.40	1.4	31.5	1589.6	0.868	158
3 X 50.0	396/0.40	1.6	36.4	2174.0	0.641	192
3 X 70.0	360/0.50	1.6	40.7	2876.8	0.443	246
3 X 95.0	475/0.50	1.8	46.1	3725.8	0.320	298
3 X 120.0	608/0.580	1.8	50.2	4579.7	0.253	346
3 X 150.0	56/0.30	2	55.3	5617.0	0.206	399
3 X 185.0	84/0.30	2.2	60.8	6857.9	0.164	456
3 X 240.0	80/0.40	2.4	68.2	8778.6	0.125	538

SUN CABLES

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FOUR CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	16.2	349.4	7.41	42
4 X 6.0	84/0.30	1	18.8	491.9	4.61	54
4 X 10.0	80/0.40	1.2	22.7	747.8	3.08	75
4 X 16.0	126/0.40	1.2	25.9	1043.4	1.91	100
4 X 25.0	196/0.40	1.4	31.2	1562.6	1.20	127
4 X 35.0	276/0.40	1.4	34.6	2029.5	0.868	158
4 X 50.0	396/0.40	1.6	40.0	2787.2	0.641	192
4 X 70.0	360/0.50	1.6	45.1	3728.3	0.443	246
4 X 95.0	475/0.50	1.8	50.8	4807.5	0.320	298
4 X 120.0	608/0.580	1.8	55.6	5953.3	0.253	346
4 X 150.0	56/0.30	2	61.3	7309.3	0.206	399
4 X 185.0	84/0.30	2.2	67.6	8966.3	0.164	456

FLEXIBLE CABLES

Standard Flexible –Cu /EPR /CR

SUN CABLES

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Flexible

Standard Flexible –Cu /EPR /CR

Category: Flexible Cables

Sub Category: Copper Cables 1.1 KV

Main Characteristics: Heat, Oil Resistant with Good Thermal Properties

Name: 1.1 KV Flexible Cu / EPR /CR Cables

Part No. H07RN-F

Approval: IEC 60245 / BS : 7919

Construction:

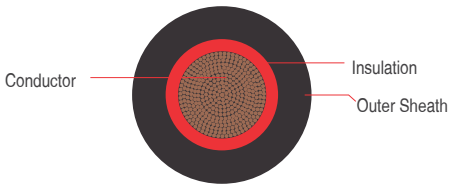
- **Class: 5** Stranded Tinned Copper Wire as per / IEC 60228
- **Insulation:** EPR as per IEC 60502 / BS : 7655
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** CR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

Product Feature

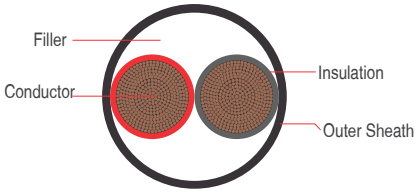
- Easy to Handle
- Very good Insulation Properties
- Long Life
- High Temperature Tolerance upto 120 Degree
- Low bend Radius
- Good Fire Properties
- Oil Resistance

Variant:

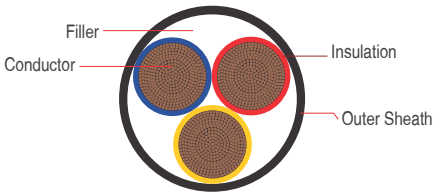
- FR • FRLS



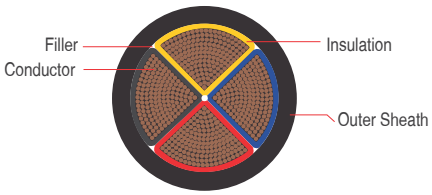
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector shaped 4 Flexible Power Cable

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-Km

Conductor Class: Class – 2 IEC 60228

Bending Radius: 8 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -25°C to +90°C

Short Circuiting Temp: 250°C

SUN CABLES

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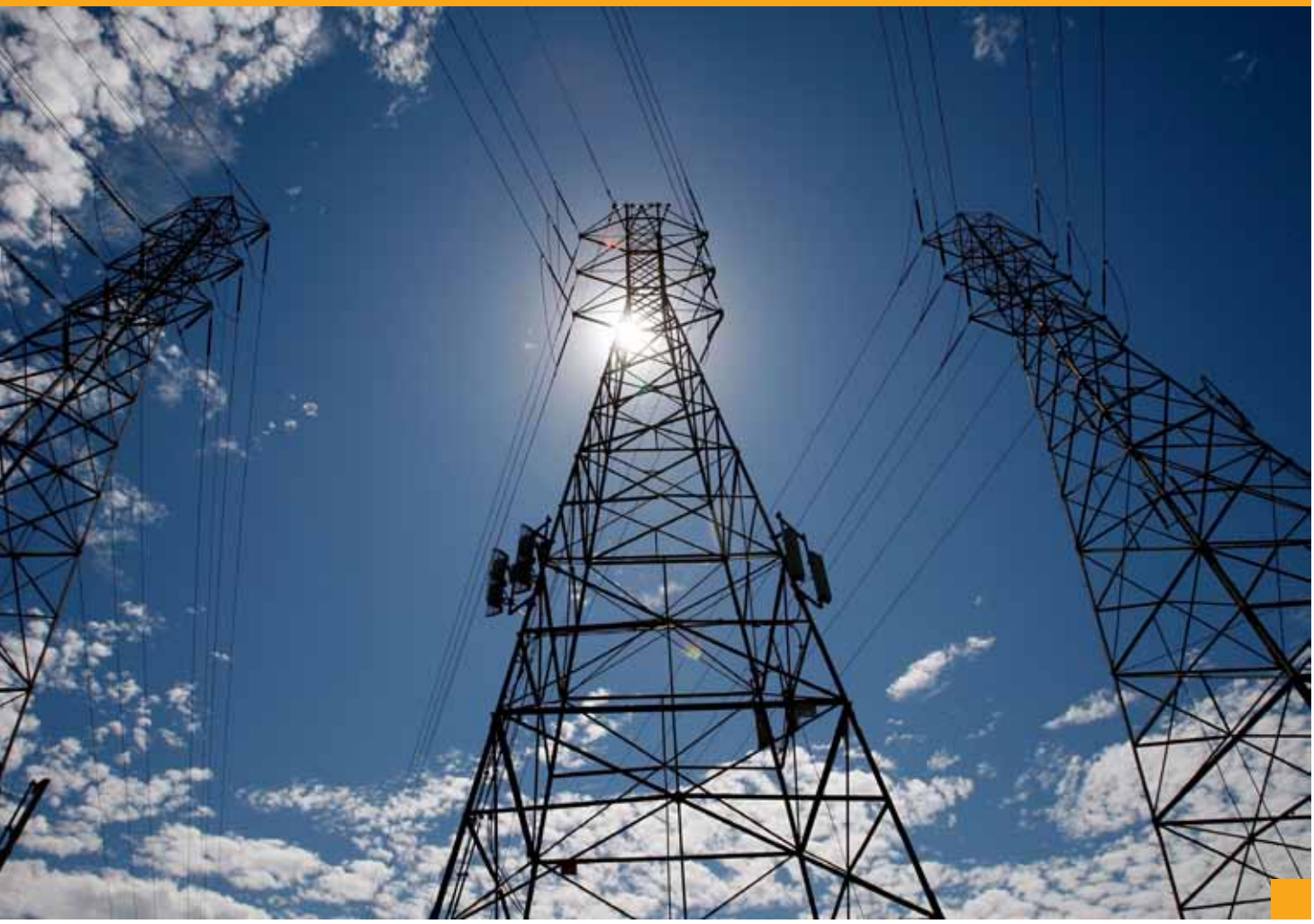
Application:

- General & Industrial Application Plant Wiring
- For Very High Life Expectancy
- Near Furnaces or any other High Temperature Area
- Where Low Bending is required
- Indoor & Outdoor Installation
- High Flexing Cycle



SUN CABLES

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POWER FLEXIBLE CABLES – COPPER
SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	7.6	95.29	7.41	53
1 X 6.0	84/0.30	1	8.7	128.65	4.61	67
1 X 10.0	80/0.40	1.2	10.5	197.81	3.08	92
1 X 16.0	126/0.40	1.2	11.9	272.16	1.91	124
1 X 25.0	196/0.40	1.4	13.9	391.23	1.20	182
1 X 35.0	276/0.40	1.4	15.6	518.40	0.868	226
1 X 50.0	396/0.40	1.6	18.1	716.35	0.641	275
1 X 70.0	360/0.50	1.6	20.4	961.88	0.443	353
1 X 95.0	475/0.50	1.8	23.0	1244.11	0.320	430
1 X 120.0	608/0.580	1.8	25.2	1544.26	0.253	500
1 X 150.0	756/0.50	2	27.8	1899.50	0.206	577
1 X 185.0	925/0.50	2.2	30.6	2324.22	0.164	661
1 X 240.0	1221/0.50	2.4	33.9	2950.31	0.125	781
1 X 300.0	1525/0.50	2.6	36.9	3596.18	0.100	902
1 X 400.0	2013/0.50	2.8	41.6	4666.53	0.0778	1085
1 X 500.0	1769/0.50	3	45.9	5812.21	0.0605	1253
1 X 630.0	2257/0.50	3	50.3	7222.83	0.0469	1454

SUN 1.1 KV Flexible Cu / EPR /CR Cables

www.suncables.com

Two Core Cables Single core Rubber Insulated & Sheathed Flexible cables according to IEC 60245 / 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	13.2	190.8	7.41	49
2 X 6.0	84/0.30	1	15.5	278.0	4.61	63
2 X 10.0	80/0.40	1.2	19.2	438.4	3.08	86
2 X 16.0	126/0.40	1.2	21.7	592.9	1.91	115
2 X 25.0	196/0.40	1.4	26.7	916.6	1.20	149
2 x 35.0	276/0.40	1.4	29.5	1170.7	0.868	185
2 x 50.0	396/0.40	1.6	34.0	1586.8	0.641	225
2 x 70.0	360/0.50	1.6	38.1	2077.8	0.443	289
2 x 95.0	475/0.50	1.8	42.9	2660.7	0.320	352
2 x 120.0	608/0.580	1.8	46.9	3275.4	0.253	410

SUN CABLES

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THREE CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	1	14.6	270.1	7.41	42
3 X 6.0	84/0.30	1	16.5	368.1	4.61	54
3 X 10.0	80/0.40	1.2	20.5	582.6	3.08	75
3 X 16.0	126/0.40	1.2	23.4	811.0	1.91	100
3 X 25.0	196/0.40	1.4	28.4	1230.6	1.20	127
3 X 35.0	276/0.40	1.4	31.5	1589.6	0.868	158
3 X 50.0	396/0.40	1.6	36.4	2174.0	0.641	192
3 X 70.0	360/0.50	1.6	40.7	2876.8	0.443	246
3 X 95.0	475/0.50	1.8	46.1	3725.8	0.320	298
3 X 120.0	608/0.580	1.8	50.2	4579.7	0.253	346
3 X 150.0	56/0.30	2	55.3	5617.0	0.206	399
3 X 185.0	84/0.30	2.2	60.8	6857.9	0.164	456
3 X 240.0	80/0.40	2.4	68.2	8778.6	0.125	538

SUN 1.1 KV Flexible Cu / EPR /CR Cables

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FOUR CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	16.2	349.4	7.41	42
4 X 6.0	84/0.30	1	18.8	491.9	4.61	54
4 X 10.0	80/0.40	1.2	22.7	747.8	3.08	75
4 X 16.0	126/0.40	1.2	25.9	1043.4	1.91	100
4 X 25.0	196/0.40	1.4	31.2	1562.6	1.20	127
4 X 35.0	276/0.40	1.4	34.6	2029.5	0.868	158
4 X 50.0	396/0.40	1.6	40.0	2787.2	0.641	192
4 X 70.0	360/0.50	1.6	45.1	3728.3	0.443	246
4 X 95.0	475/0.50	1.8	50.8	4807.5	0.320	298
4 X 120.0	608/0.580	1.8	55.6	5953.3	0.253	346
4 X 150.0	56/0.30	2	61.3	7309.3	0.206	399
4 X 185.0	84/0.30	2.2	67.6	8966.3	0.164	456

SUN 1.1 KV Flexible Cu / EPR /CR Cables SUN 1.1 KV Flexible Cu / EPR /CR Cables

FLEXIBLE CABLES

Standard Flexible –Cu /VIR /TRS

SUN CABLES

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Flexible

Standard Flexible –Cu /VIR /TRS

Category: Flexible Cables

Sub Category: Copper Cables 1.1 KV

Main Characteristics: Flexible

Name: 1.1 KV Flexible Cu / VIR /TRS Cables

Part No. H07RN-F

Approval: IEC 60245 / BS: 7919

Construction:

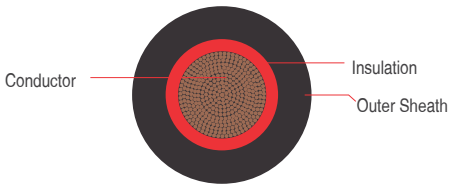
- **Class: 5** Stranded Tinned Copper Wire as per IS 8130 / IEC 60228
- **Insulation:** VIR as per IEC 60502 / BS : 7655
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** TRS as per IEC 60502 / BS : 7655
- **Outer Sheath:** TRS as per IEC 60502 /BS : 7655

Product Feature

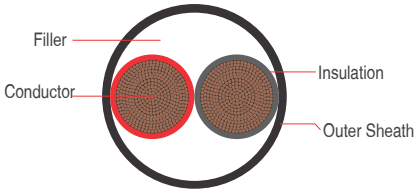
- Easy to Handle
- Long Life
- Long Life
- Low bend Radius

Variant:

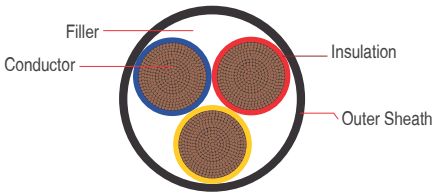
- FR



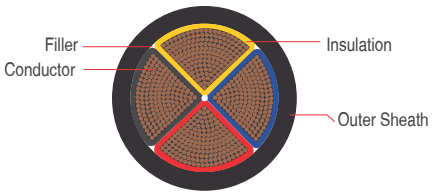
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector shaped 4 Flexible Power Cable

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-Km

Conductor Class: Class – 2 IEC 60228

Bending Radius: 8 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -25°C to +60°C

Short Circuiting Temp: 160°C

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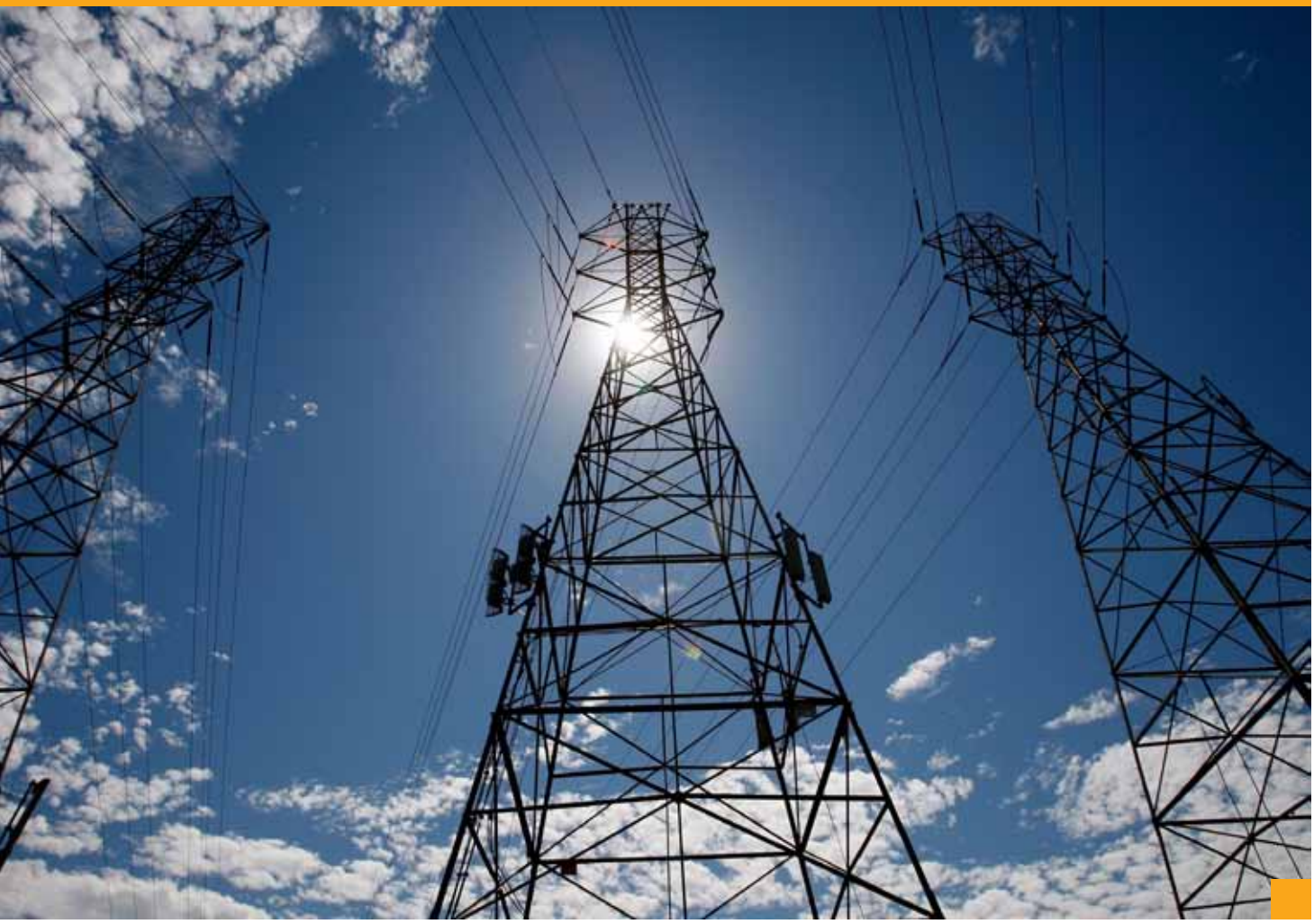
Application:

- General & Industrial Application Plant Wiring
- Where Low Bending is required
- Indoor & Outdoor Installation
- High Flexing Cycle



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DIMENSIONAL TABLES , POWER FLEXIBLE CABLES – COPPER
SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	7.6	95.29	7.41	34
1 X 6.0	84/0.30	1	8.7	128.65	4.61	43
1 X 10.0	80/0.40	1.2	10.5	197.81	3.08	60
1 X 16.0	126/0.40	1.2	11.9	272.16	1.91	81
1 X 25.0	196/0.40	1.4	13.9	391.23	1.20	112
1 X 35.0	276/0.40	1.4	15.6	518.40	0.868	139
1 X 50.0	396/0.40	1.6	18.1	716.35	0.641	169
1 X 70.0	360/0.50	1.6	20.4	961.88	0.443	217
1 X 95.0	475/0.50	1.8	23.0	1244.11	0.320	265
1 X 120.0	608/0.580	1.8	25.2	1544.26	0.253	308
1 X 150.0	756/0.50	2	27.8	1899.50	0.206	356
1 X 185.0	925/0.50	2.2	30.6	2324.22	0.164	407
1 X 240.0	1221/0.50	2.4	33.9	2950.31	0.125	482
1 X 300.0	1525/0.50	2.6	36.9	3596.18	0.100	557
1 X 400.0	2013/0.50	2.8	41.6	4666.53	0.0778	671
1 X 500.0	1769/0.50	3	45.9	5812.21	0.0605	775
1 X 630.0	2257/0.50	3	50.3	7222.83	0.0469	900

1.1 KV Flexible Cu / VIR /TRS Cables


SUN CABLES

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TWO CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	13.2	190.8	7.41	31
2 X 6.0	84/0.30	1	15.5	278.0	4.61	39
2 X 10.0	80/0.40	1.2	19.2	438.4	3.08	54
2 X 16.0	126/0.40	1.2	21.7	592.9	1.91	73
2 X 25.0	196/0.40	1.4	26.7	916.6	1.20	89
2 x 35.0	276/0.40	1.4	29.5	1170.7	0.868	111
2 x 50.0	396/0.40	1.6	34.0	1586.8	0.641	135
2 x 70.0	360/0.50	1.6	38.1	2077.8	0.443	173
2 x 95.0	475/0.50	1.8	42.9	2660.7	0.320	210
2 x 120.0	608/0.580	1.8	46.9	3275.4	0.253	244

SUN CABLES

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THREE CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	1	14.6	270.1	7.41	26
3 X 6.0	84/0.30	1	16.5	368.1	4.61	33
3 X 10.0	80/0.40	1.2	20.5	582.6	3.08	46
3 X 16.0	126/0.40	1.2	23.4	811.0	1.91	61
3 X 25.0	196/0.40	1.4	28.4	1230.6	1.20	78
3 X 35.0	276/0.40	1.4	31.5	1589.6	0.868	96
3 X 50.0	396/0.40	1.6	36.4	2174.0	0.641	117
3 X 70.0	360/0.50	1.6	40.7	2876.8	0.443	150
3 X 95.0	475/0.50	1.8	46.1	3725.8	0.320	183
3 X 120.0	608/0.580	1.8	50.2	4579.7	0.253	212
3 X 150.0	56/0.30	2	55.3	5617.0	0.206	245
3 X 185.0	84/0.30	2.2	60.8	6857.9	0.164	280
3 X 240.0	80/0.40	2.4	68.2	8778.6	0.125	330

SUN 1.1 KV Flexible Cu / VIR /TRS Cables

SUN CABLES

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FOUR CORE CABLES SINGLE CORE RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	16.2	349.4	7.41	26
4 X 6.0	84/0.30	1	18.8	491.9	4.61	33
4 X 10.0	80/0.40	1.2	22.7	747.8	3.08	46
4 X 16.0	126/0.40	1.2	25.9	1043.4	1.91	61
4 X 25.0	196/0.40	1.4	31.2	1562.6	1.20	78
4 X 35.0	276/0.40	1.4	34.6	2029.5	0.868	96
4 X 50.0	396/0.40	1.6	40.0	2787.2	0.641	117
4 X 70.0	360/0.50	1.6	45.1	3728.3	0.443	150
4 X 95.0	475/0.50	1.8	50.8	4807.5	0.320	183
4 X 120.0	608/0.580	1.8	55.6	5953.3	0.253	212
4 X 150.0	56/0.30	2	61.3	7309.3	0.206	245
4 X 185.0	84/0.30	2.2	67.6	8966.3	0.164	280

FLEXIBLE CABLES

High Strength Flexible –Cu /HEPR /Braid /HDHOFR

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Flexible

High Strength Flexible –Cu /HEPR /Braid /HDHOFR

Category: Flexible Cables

Sub Category: Copper Cables 1.1 KV

Main Characteristics: Good Physical Strength with Oil Resistance

Name: 1.1 KV Flexible Cu / HEPR /Braid /HDHOFR Cables

Part No. H07BN-F

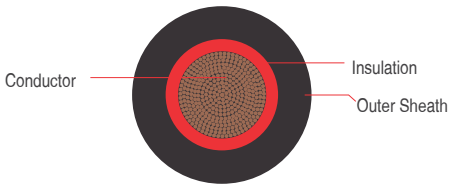
Approval: IEC 60248 / BS : 7919

Construction:

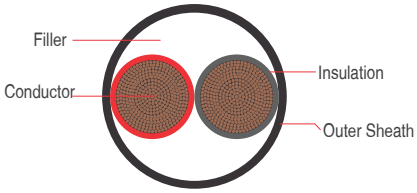
- **Class: 5** Stranded Tinned Copper Wire as per IEC 60228
- **Insulation:** HEPR as per IEC 60502 / BS 7655
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** HD HOFR as per IEC 60502/ BS: 7655
- **Braid (Optional) :** Steel wire / copper wire Braid
- **Outer Sheath :** HDHOFR as per IEC 60502/ BS: 7655

Product Feature

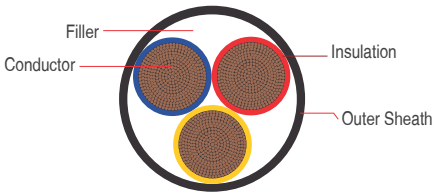
- Easy to Handle
- Very good Insulation Properties
- Long Life
- High Temperature Tolerance upto 90 Degree
- Low bend Radius
- Oil Resistance
- Very Good Physical properties (i.e. Stress, Aberration)
- Electrical Shielding



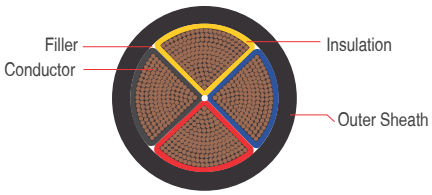
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector shaped 4 Flexible Power Cable

Variant:

- FR • Screened

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-Km

Conductor Class: 2 IEC 60228

Bending Radius: 8 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -25°C to +90°C

Short Circuiting Temp: 250°C

SUN CABLES

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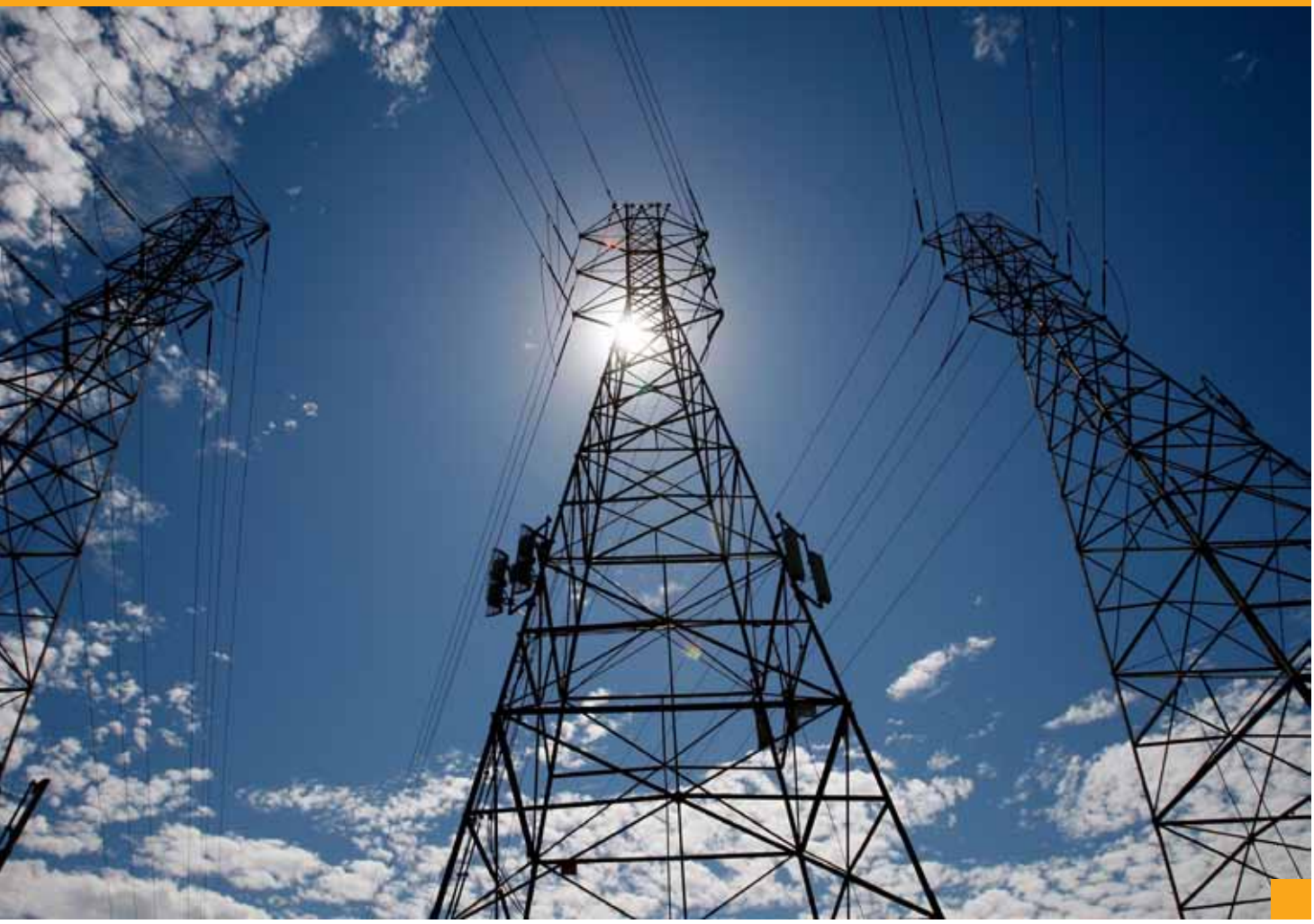
Application:

- General & Industrial Application Plant Wiring
- For Very High Life Expectancy
- Near Furnaces or any other High Temperature Area
- Where Low Bending is required
- Indoor & Outdoor Installation
- High Flexing Cycle
- High Physical Strength (Aberration, Tensile)



SUN CABLES

www.suncables.com

DIMENSIONAL TABLES, POWER FLEXIBLE BRAIDED CABLES – COPPER
SINGLE CORE RUBBER INSULATED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	8.6	126.01	5.09	53
1 X 6.0	84/0.30	0.7	9.3	154.57	3.39	67
1 X 10.0	80/0.40	0.7	10.7	219.54	1.95	92
1 X 16.0	126/0.40	0.7	12.1	298.10	1.24	124
1 X 25.0	196/0.40	0.9	14.1	423.69	0.795	182
1 X 35.0	276/0.40	0.9	15.8	555.76	0.565	226
1 X 50.0	396/0.40	1	18.1	752.40	0.393	275
1 X 70.0	360/0.50	1.1	20.2	993.99	0.277	353
1 X 95.0	475/0.50	1.1	22.4	1260.07	0.210	430
1 X 120.0	608/0.50	1.2	24.4	1550.52	0.164	500
1 X 150.0	756/0.50	1.4	27.0	1907.56	0.132	577
1 X 185.0	925/0.50	1.6	29.8	2334.26	0.108	661
1 X 240.0	1221/0.50	1.7	33.1	2964.30	0.0817	781
1 X 300.0	1525/0.50	1.8	36.3	3632.21	0.0654	902
1 X 400.0	2013/0.50	2	40.8	4688.93	0.0495	1085
1 X 500.0	1769/0.50	2.2	45.1	5838.82	0.0391	1253
1 X 630.0	2257/0.50	2.4	50.1	7324.25	0.0292	1454

SUN 1.1 KV Flexible Cu / HEPR /Braid /HDHOFR Cables


SUN CABLES

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TWO CORE CABLES RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	14.1	275.3	5.09	49
2 X 6.0	84/0.30	0.7	15.4	336.1	3.39	63
2 X 10.0	80/0.40	0.7	18.3	487.6	1.95	86
2 X 16.0	126/0.40	0.7	20.6	642.0	1.24	115
2 X 25.0	196/0.40	0.9	25.0	940.8	0.795	149
2 x 35.0	276/0.40	0.9	27.6	1187.4	0.565	185
2 x 50.0	396/0.40	1	32.1	1623.4	0.393	225
2 x 70.0	360/0.50	1.1	36.4	2127.3	0.277	289
2 x 95.0	475/0.50	1.1	40.8	2713.4	0.210	352
2 x 120.0	608/0.50	1.2	44.8	3317.8	0.164	410

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THREE CORE CABLES RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	15.16	348.3	5.09	42
3 X 6.0	84/0.30	0.7	16.54	432.1	3.39	54
3 X 10.0	80/0.40	0.7	19.20	612.3	1.95	75
3 X 16.0	126/0.40	0.7	23.49	926.2	1.24	100
3 X 25.0	196/0.40	0.9	27.99	1331.1	0.795	127
3 X 35.0	276/0.40	0.9	31.85	1767.5	0.565	158
3 X 50.0	396/0.40	1	36.87	2410.9	0.393	192
3 X 70.0	360/0.50	1.1	41.67	3177.8	0.277	246
3 X 95.0	475/0.50	1.1	46.53	4045.2	0.210	298
3 X 120.0	608/0.50	1.2	51.07	4969.5	0.164	346
3 X 150.0	56/0.30	1.4	55.81	5995.3	0.132	399
3 X 185.0	84/0.30	1.6	61.51	7308.2	0.108	456
3 X 240.0	80/0.40	1.7	67.88	9138.6	0.0817	538

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FOUR CORE CABLES RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	16.3	414.4	5.09	42
4 X 6.0	84/0.30	0.7	17.8	520.9	3.39	54
4 X 10.0	80/0.40	0.7	20.7	747.9	1.95	75
4 X 16.0	126/0.40	0.7	25.3	1131.3	1.24	100
4 X 25.0	196/0.40	0.9	30.3	1642.1	0.795	127
4 X 35.0	276/0.40	0.9	34.5	2189.7	0.565	158
4 X 50.0	396/0.40	1	40.0	3002.1	0.393	192
4 X 70.0	360/0.50	1.1	45.4	3991.5	0.277	246
4 X 95.0	475/0.50	1.1	50.7	5096.1	0.210	298
4 X 120.0	608/0.50	1.2	55.8	6292.8	0.164	346
4 X 150.0	56/0.30	1.4	61.1	7627.7	0.132	399
4 X 185.0	84/0.30	1.6	67.4	9321.3	0.108	456

FLEXIBLE CABLES

High Strength Flexible –Cu /HEPR /Braid /PVC

SUN CABLES

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Flexible

High Strength Flexible –Cu /HEPR /Braid /PVC

Category: Flexible Cables

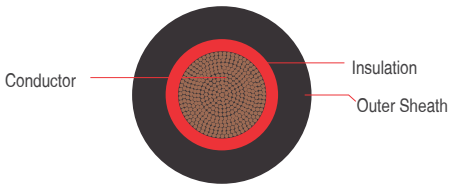
Sub Category: Copper Cables 1.1 KV

Main Characteristics: Good Physical Strength with Oil Resistance

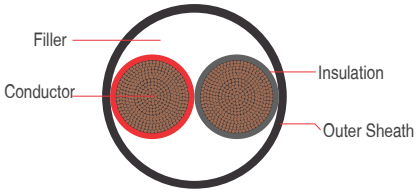
Name: 1.1 KV Flexible Cu / HEPR /Braid /PVC Cables

Part No. RC-Y

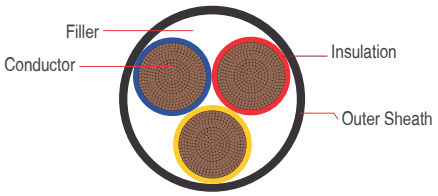
Approval: IS 9968/Pt-1/1988 / IEC 60502



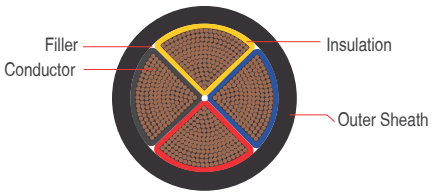
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector shaped 4 Flexible Power Cable

Construction:

- **Class: 5** Stranded Tinned Copper Wire as per IEC 60228
- **Insulation:** HEPR as per IEC 60502 / VDE 0207
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** HR PVC (Poly Vinyl Chloride)as per IEC 60502 / VDE 0207
- **Braid (Optional) :** Nylon / MS / ATC Briad
- **Outer Sheath :** HR PVC(Poly Vinyl Chloride)as per IEC 60502 / VDE 0207

Product Feature

- Easy to Handle
- Very good Insulation Properties
- High Temperature Tolerance upto 90 Degree
- Low bend Radius
- Very Good Physical properties (i.e. Stress, Aberration)
- Electrical Shielding

Variant:

- FR • Screened • FRLS

Technical Data:

Insulation Resistance: 3670 Mega-Ohm-Km

Conductor Class: 2 IEC 60228

Bending Radius: 8 X OD (OD= Overall Diameter of Cable)

Voltage Rated: 0.6 / 1.0 (1.2 Kv)

Test Voltage: 3500 Volts

Temperature Range: -25°C to +90°C

Short Circuiting Temp: 250°C

SUN CABLES

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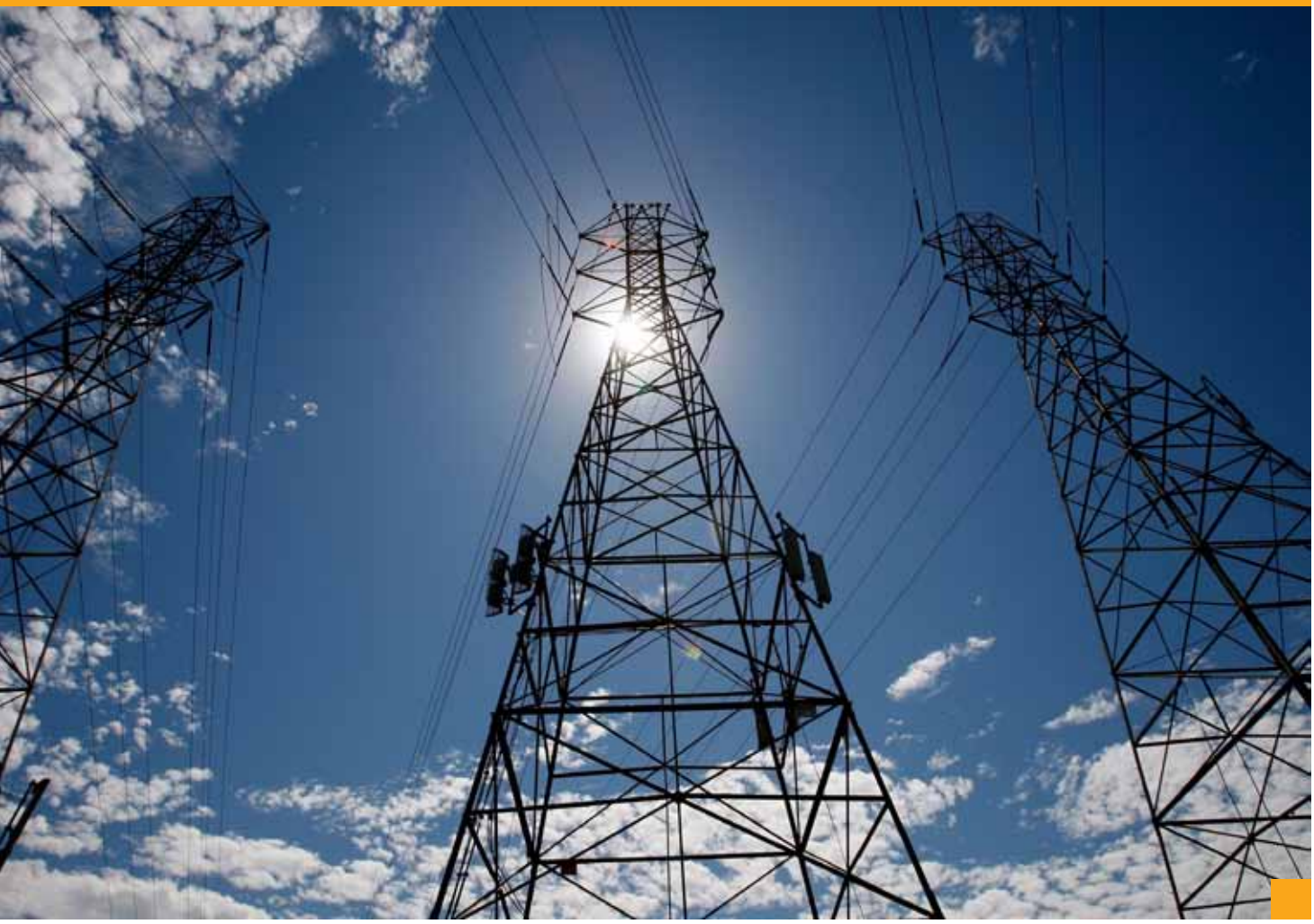
Application:

- General & Industrial Application Plant Wiring
- For Very High Life Expectancy
- Near Furnaces or any other High Temperature Area
- Where Low Bending is required
- Indoor & Outdoor Installation
- High Flexing Cycle
- High Physical Strength (Aberration, Tensile)



SUN CABLES

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DIMENSIONAL TABLES, POWER FLEXIBLE BRAIDED CABLES – COPPER
SINGLE CORE HEPR INSULATED FLEXIBLE PVC CABLES ACCORDING TO IEC 60245 / 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	8.6	126.01	5.09	53
1 X 6.0	84/0.30	0.7	9.3	154.57	3.39	67
1 X 10.0	80/0.40	0.7	10.7	219.54	1.95	92
1 X 16.0	126/0.40	0.7	12.1	298.10	1.24	124
1 X 25.0	196/0.40	0.9	14.1	423.69	0.795	182
1 X 35.0	276/0.40	0.9	15.8	555.76	0.565	226
1 X 50.0	396/0.40	1	18.1	752.40	0.393	275
1 X 70.0	360/0.50	1.1	20.2	993.99	0.277	353
1 X 95.0	475/0.50	1.1	22.4	1260.07	0.210	430
1 X 120.0	608/0.580	1.2	24.4	1550.52	0.164	500
1 X 150.0	756/0.50	1.4	27.0	1907.56	0.132	577
1 X 185.0	925/0.50	1.6	29.8	2334.26	0.108	661
1 X 240.0	1221/0.50	1.7	33.1	2964.30	0.0817	781
1 X 300.0	1525/0.50	1.8	36.3	3632.21	0.0654	902
1 X 400.0	2013/0.50	2	40.8	4688.93	0.0495	1085
1 X 500.0	1769/0.50	2.2	45.1	5838.82	0.0391	1253
1 X 630.0	2257/0.50	2.4	50.1	7324.25	0.0292	1454

SUN 1.1 KV Flexible Cu / HEPR /Braid /PVC Cables


SUN CABLES

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TWO CORE CABLES HEPR INSULATED & PVC SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	14.08	275.3	5.09	49
2 X 6.0	84/0.30	0.7	15.356	336.1	3.39	63
2 X 10.0	80/0.40	0.7	18.252	487.6	1.95	86
2 X 16.0	126/0.40	0.7	20.56	642.0	1.24	115
2 X 25.0	196/0.40	0.9	24.968	940.8	0.795	149
2 x 35.0	276/0.40	0.9	27.613	1187.4	0.565	185
2 x 50.0	396/0.40	1	32.139	1623.4	0.393	225
2 x 70.0	360/0.50	1.1	36.402	2127.3	0.277	289
2 x 95.0	475/0.50	1.1	40.77	2713.4	0.210	352
2 x 120.0	608/0.50	1.2	44.792	3317.8	0.164	410

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THREE CORE CABLES HEPR INSULATED & PVC SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	15.2	348.3	5.09	42
3 X 6.0	84/0.30	0.7	16.5	432.1	3.39	54
3 X 10.0	80/0.40	0.7	19.2	612.3	1.95	75
3 X 16.0	126/0.40	0.7	23.5	926.2	1.24	100
3 X 25.0	196/0.40	0.9	28.0	1331.1	0.795	127
3 X 35.0	276/0.40	0.9	31.8	1767.5	0.565	158
3 X 50.0	396/0.40	1	36.9	2410.9	0.393	192
3 X 70.0	360/0.50	1.1	41.7	3177.8	0.277	246
3 X 95.0	475/0.50	1.1	46.5	4045.2	0.210	298
3 X 120.0	608/0.50	1.2	51.1	4969.5	0.164	346
3 X 150.0	56/0.30	1.4	55.8	5995.3	0.132	399
3 X 185.0	84/0.30	1.6	61.5	7308.2	0.108	456
3 X 240.0	80/0.40	1.7	67.9	9138.6	0.0817	538

SUN CABLES

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FOUR CORE CABLES HEPR INSULATED & PVC SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	16.3	414.4	5.09	42
4 X 6.0	84/0.30	0.7	17.8	520.9	3.39	54
4 X 10.0	80/0.40	0.7	20.7	747.9	1.95	75
4 X 16.0	126/0.40	0.7	25.3	1131.3	1.24	100
4 X 25.0	196/0.40	0.9	30.3	1642.1	0.795	127
4 X 35.0	276/0.40	0.9	34.5	2189.7	0.565	158
4 X 50.0	396/0.40	1	40.0	3002.1	0.393	192
4 X 70.0	360/0.50	1.1	45.4	3991.5	0.277	246
4 X 95.0	475/0.50	1.1	50.7	5096.1	0.210	298
4 X 120.0	608/0.50	1.2	55.8	6292.8	0.164	346
4 X 150.0	56/0.30	1.4	61.1	7627.7	0.132	399
4 X 185.0	84/0.30	1.6	67.4	9321.3	0.108	456

FLEXIBLE CABLES

Standard Flexible –Cu /Silicon /Silicon

SUN CABLES

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Flexible

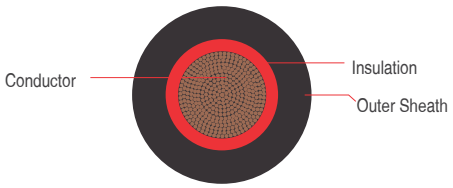
Standard Flexible –Cu /Silicon /Silicon

Category: Flexible Cables

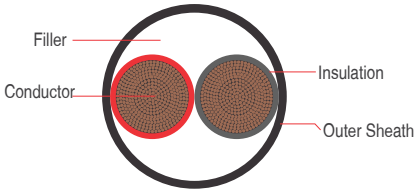
Sub Category: Copper Cables 1.1 KV
Main Characteristics: Flexible & High Temperature
Name: 1.1 KV Flexible Cu / Silicon /Silicon Cables
Part No. SILICON - 180
Approval: IEC 60502 / BS: 6195

Construction:

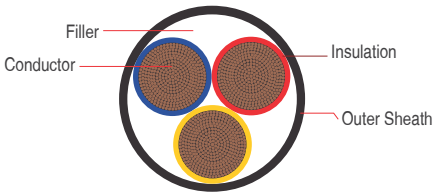
- **Class: 5** Stranded Tinned Copper Wire as per IEC 60228
- **Insulation:** Silicon as per VDE 0207
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Inner Sheath:** Silicon as per VDE 0207
- **Outer Sheath:** Silicon as per VDE 0207



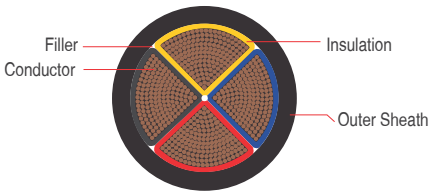
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector shaped 4 Flexible Power Cable

Product Feature

- Easy to Handle
- Very good Insulation Properties
- Long Life
- High Temperature Tolerance upto 150 Degree
- Low bend Radius
- Good Fire Properties
- Oil Resistance

Variant:

- FR • 200 Degree

Technical Data:

Insulation Resistance: 870 Mega-Ohm-Km
Conductor Class: 2 IEC 60228
Bending Radius: 8 X OD (OD= Overall Diameter of Cable)
Voltage Rated: 0.6 / 1.0 (1.2 Kv)
Test Voltage: 3500 Volts
Temperature Range: -25° C to +180° C
Short Circuiting Temp: 350°C

SUN CABLES

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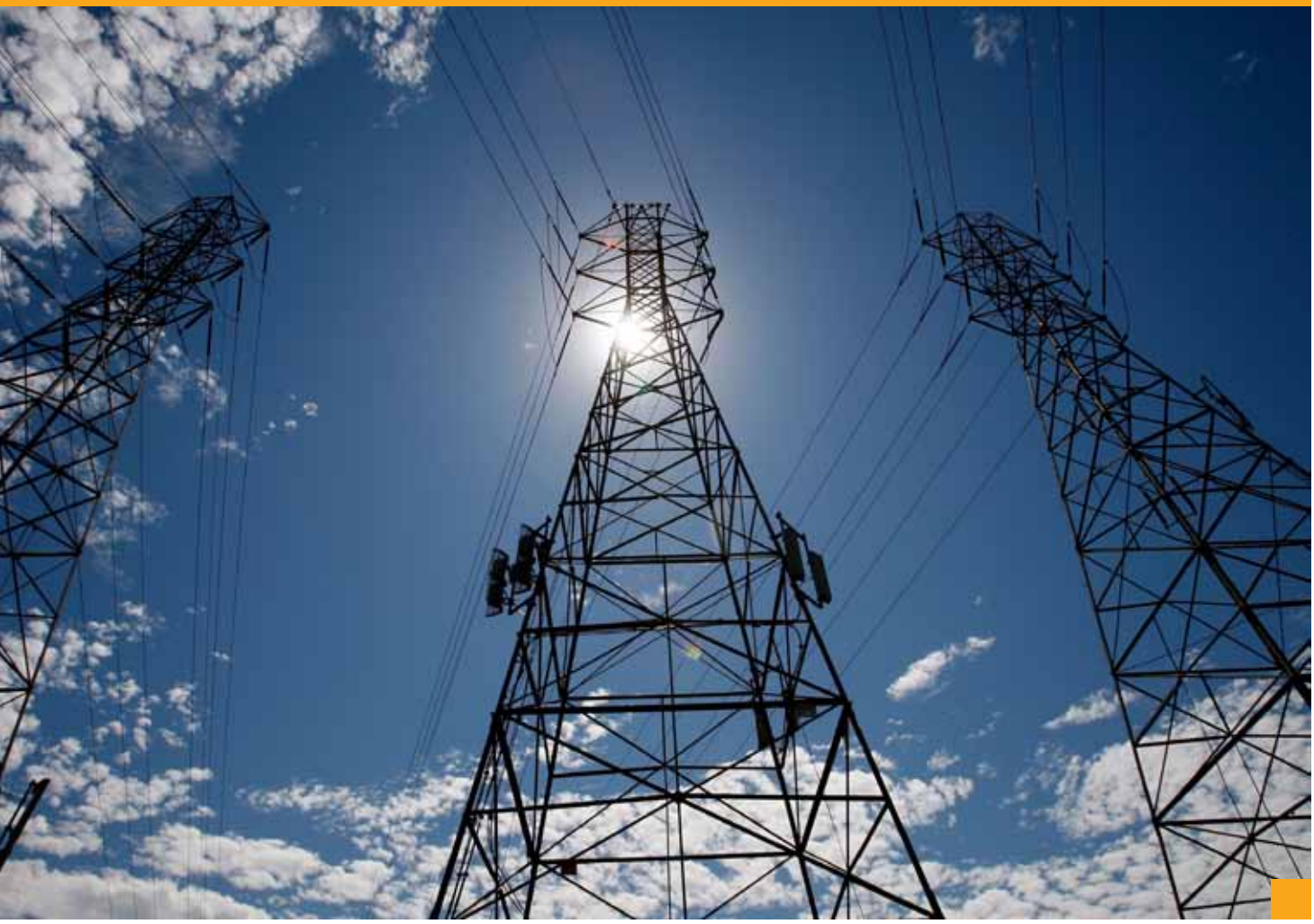
Application:

- Special High Temperature Application
- Where Low Bending is required
- High Flexing Cycle
- Isolated area without contact with hard objects



SUN CABLES

www.suncables.com

DIMENSIONAL TABLES , POWER FLEXIBLE CABLES – COPPER
SINGLE CORE SILICON INSULATED FLEXIBLE CABLES ACCORDING TO IEC 60245 / IEC 60502 / BS 6195

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	7.6	95.29	7.41	42
1 X 6.0	84/0.30	1	8.7	128.65	4.61	54
1 X 10.0	80/0.40	1.2	10.5	197.81	3.08	73
1 X 16.0	126/0.40	1.2	11.9	272.16	1.91	98
1 X 25.0	196/0.40	1.4	13.9	391.23	1.20	129
1 X 35.0	276/0.40	1.4	15.6	518.40	0.868	158
1 X 50.0	396/0.40	1.6	18.1	716.35	0.641	198
1 X 70.0	360/0.50	1.6	20.4	961.88	0.443	245
1 X 95.0	475/0.50	1.8	23.0	1244.11	0.320	292
1 X 120.0	608/0.580	1.8	25.2	1544.26	0.253	344
1 X 150.0	756/0.50	2	27.8	1899.50	0.206	391
1 X 185.0	925/0.50	2.2	30.6	2324.22	0.164	448
1 X 240.0	1221/0.50	2.4	33.9	2950.31	0.125	528
1 X 300.0	1525/0.50	2.6	36.9	3596.18	0.100	608

SUN CABLES

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TWO CORE CABLES SILICON INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	13.2	190.8	7.41	34
2 X 6.0	84/0.30	1	15.5	278.0	4.61	44
2 X 10.0	80/0.40	1.2	19.2	438.4	3.08	91
2 X 16.0	126/0.40	1.2	21.7	592.9	1.91	82
2 X 25.0	196/0.40	1.4	26.7	916.6	1.20	108
2 x 35.0	276/0.40	1.4	29.5	1170.7	0.868	135
2 x 50.0	396/0.40	1.6	34.0	1586.8	0.641	168
2 x 70.0	360/0.50	1.6	38.1	2077.8	0.443	207
2 x 95.0	475/0.50	1.8	42.9	2660.7	0.320	250
2 x 120.0	608/0.580	1.8	46.9	3275.4	0.253	292

SUN CABLES

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THREE CORE CABLES SILICON INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	1	14.6	270.1	7.41	28
3 X 6.0	84/0.30	1	16.5	368.1	4.61	36
3 X 10.0	80/0.40	1.2	20.5	582.6	3.08	49
3 X 16.0	126/0.40	1.2	23.4	811.0	1.91	65
3 X 25.0	196/0.40	1.4	28.4	1230.6	1.20	85
3 X 35.0	276/0.40	1.4	31.5	1589.6	0.868	105
3 X 50.0	396/0.40	1.6	36.4	2174.0	0.641	140
3 X 70.0	360/0.50	1.6	40.7	2876.8	0.443	175
3 X 95.0	475/0.50	1.8	46.1	3725.8	0.320	210
3 X 120.0	608/0.580	1.8	50.2	4579.7	0.253	250

SUN CABLES

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FOUR CORE CABLES SINGLE CORE SILICON INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	16.2	349.4	7.41	28
4 X 6.0	84/0.30	1	18.8	491.9	4.61	36
4 X 10.0	80/0.40	1.2	22.7	747.8	3.08	49
4 X 16.0	126/0.40	1.2	25.9	1043.4	1.91	65
4 X 25.0	196/0.40	1.4	31.2	1562.6	1.20	85
4 X 35.0	276/0.40	1.4	34.6	2029.5	0.868	105
4 X 50.0	396/0.40	1.6	40.0	2787.2	0.641	140
4 X 70.0	360/0.50	1.6	45.1	3728.3	0.443	175
4 X 95.0	475/0.50	1.8	50.8	4807.5	0.320	210
4 X 120.0	608/0.580	1.8	55.6	5953.3	0.253	250

SUN 1.1 KV Flexible Cu / Silicon /Silicon Cables

FLEXIBLE CABLES

Standard Flexible –Cu /Silicon /Silicon / Braid

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Flexible

Standard Flexible –Cu /Silicon /Silicon / Braid

Category: Flexible Cables

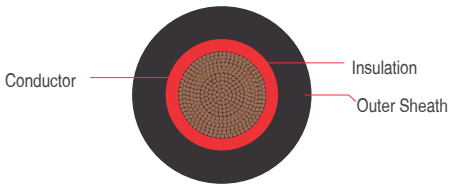
Sub Category: Copper Cables 1.1 KV
Main Characteristics: Flexible & High Temperature
Name: 1.1 KV Flexible Cu / Silicon /Silicon / Braid Cables
Part No. SILICON -
Approval: IS 9968/Pt-1/1988, BS: 6195

Construction:

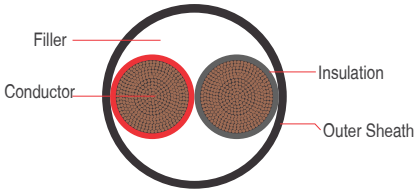
- **Class: 5** Sranded Tinned Copper Wire as per IEC 60228
- **Insulation:** Silicon as per VDE 0207
- **Core Identification:**
  - 1 Core: **Black / Red / White**
  - 2 Core: **Red, Black**
  - 3 Core: **Red, Yellow, Blue**
  - 4 Core: **Red, Yellow, Blue & Black**
- **Outer Sheath:** Silicon as per VDE 0207
- **Protective Braid :** Fiber Glass / Nylon / Asbestos Braid
- **Varnish:** Silicon / PU or equivalent Varnish

Product Feature

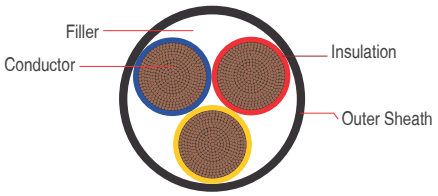
- Easy to Handle
- Very good Insulation Properties
- Long Life
- High Temperature Tolerance upto 180 Degree
- Low bend Radius
- Good Fire Properties
- Oil Resistance & Chemical Resistance
- Better Physical properties than without Braid version



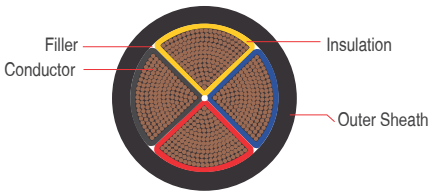
1 Core Flexible Power Cable



2 Core Flexible Power Cable



3 Core Flexible Power Cable



Sector shaped 4 Flexible Power Cable

Variant:

- FR • 200 Degree

Technical Data:

Insulation Resistance: 870 Mega-Ohm-Km
Conductor Class: 2 IEC 60228
Bending Radius: 8 X OD (OD= Overall Diameter of Cable)
Voltage Rated: 0.6 / 1.0 (1.2 Kv)
Test Voltage: 3500 Volts
Temperature Range: -25°C to +180°C
Short Circuiting Temp: 350°C

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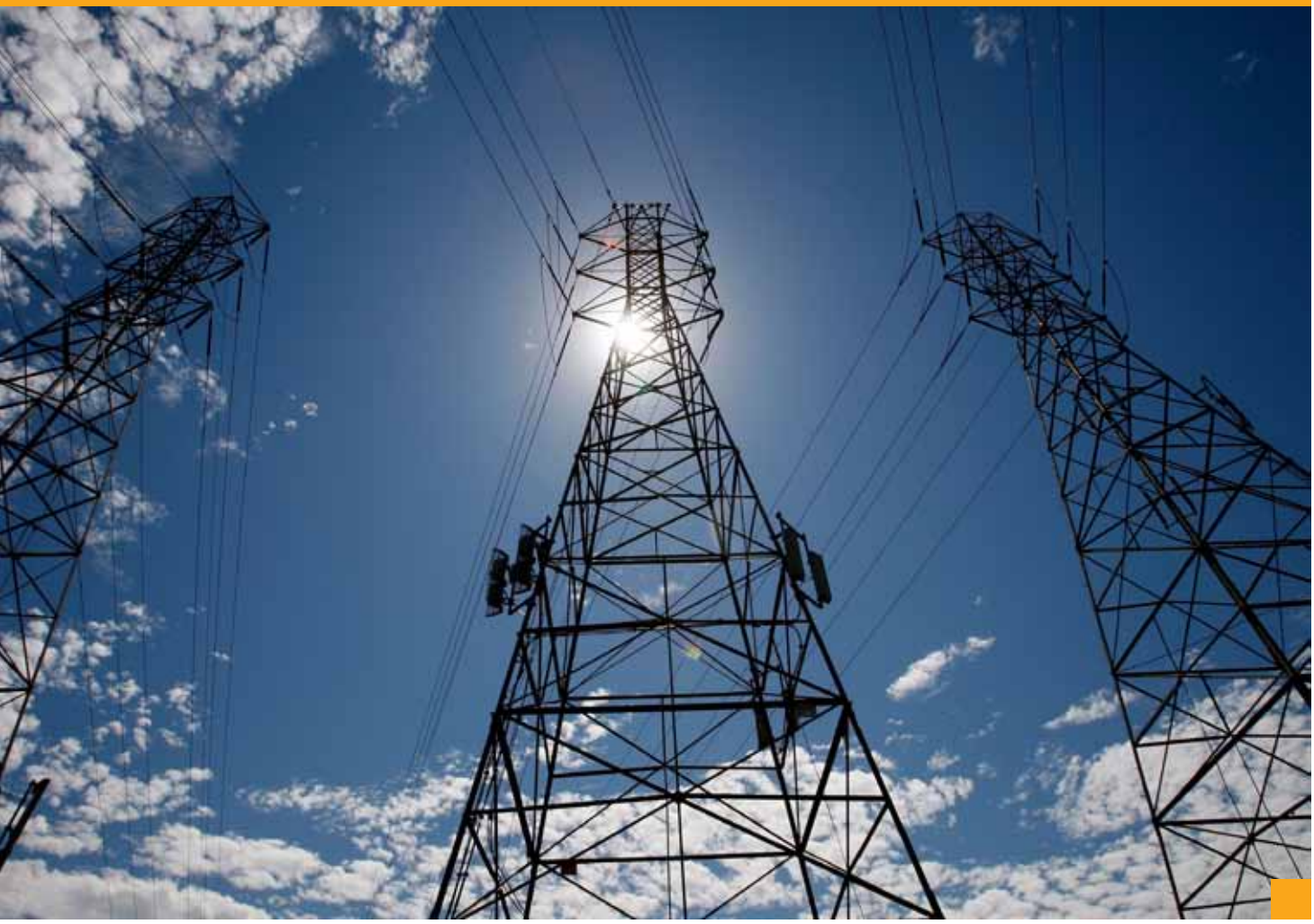
Application:

- Special High Temperature Application
- Where Low Bending is required
- High Flexing Cycle



SUN CABLES

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DIMENSIONAL TABLES, POWER FLEXIBLE BRAIDED CABLES – COPPER
Single core SILICON Insulated Flexible cables according to IEC 60245 / 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	7.3	94.12	5.09	42
1 X 6.0	84/0.30	1	8.0	119.36	3.39	54
1 X 10.0	80/0.40	1.2	9.4	177.38	1.95	73
1 X 16.0	126/0.40	1.2	10.6	244.00	1.24	98
1 X 25.0	196/0.40	1.4	12.8	364.63	0.795	129
1 X 35.0	276/0.40	1.4	14.1	474.51	0.565	158
1 X 50.0	396/0.40	1.6	16.6	665.43	0.393	198
1 X 70.0	360/0.50	1.6	18.5	886.09	0.277	245
1 X 95.0	475/0.50	1.8	20.9	1148.23	0.210	292
1 X 120.0	608/0.580	1.8	22.7	1416.50	0.164	344
1 X 150.0	756/0.50	2	25.5	1770.41	0.132	391
1 X 185.0	925/0.50	2.2	27.9	2154.61	0.108	448
1 X 240.0	1221/0.50	2.4	31.4	2776.92	0.0817	528
1 X 300.0	1525/0.50	2.6	34.4	3407.39	0.0654	608

SUN 1.1 KV Flexible Cu / Silicon /Silicon / Braid Cables SUN 1.1 KV Flexible Cu / Silicon /Silicon / Braid Cables

SUN CABLES

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TWO CORE CABLES SILICON RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	14.58	261.0	5.09	34
2 X 6.0	84/0.30	1	15.86	318.9	3.39	44
2 X 10.0	80/0.40	1.2	19.55	489.5	1.95	91
2 X 16.0	126/0.40	1.2	21.86	640.7	1.24	82
2 X 25.0	196/0.40	1.4	26.27	936.3	0.795	108
2 x 35.0	276/0.40	1.4	28.91	1179.3	0.565	135
2 x 50.0	396/0.40	1.6	33.84	1630.9	0.393	168
2 x 70.0	360/0.50	1.6	37.7	2109.8	0.277	207
2 x 95.0	475/0.50	1.8	42.87	2739.4	0.210	250
2 x 120.0	608/0.580	1.8	46.49	3316.5	0.164	292

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THREE CORE CABLES SILICON RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	1	15.75	339.1	5.09	28
3 X 6.0	84/0.30	1	17.13	420.4	3.39	36
3 X 10.0	80/0.40	1.2	20.66	627.3	1.95	49
3 X 16.0	126/0.40	1.2	24.95	945.5	1.24	65
3 X 25.0	196/0.40	1.4	29.45	1350.1	0.795	85
3 X 35.0	276/0.40	1.4	33.31	1787.5	0.565	105
3 X 50.0	396/0.40	1.6	38.76	2459.4	0.393	140
3 X 70.0	360/0.50	1.6	43.13	3196.6	0.277	175
3 X 95.0	475/0.50	1.8	48.85	4134.6	0.210	210
3 X 120.0	608/0.580	1.8	52.96	5025.1	0.164	250

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FOUR CORE CABLES SILICON RUBBER INSULATED & SHEATHED FLEXIBLE CABLES ACCORDING TO IEC 60245 / 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	17.01	409.3	5.09	28
4 X 6.0	84/0.30	1	18.56	513.7	3.39	36
4 X 10.0	80/0.40	1.2	22.46	775.4	1.95	49
4 X 16.0	126/0.40	1.2	27.05	1165.7	1.24	65
4 X 25.0	196/0.40	1.4	32.02	1678.8	0.795	85
4 X 35.0	276/0.40	1.4	36.22	2229.6	0.565	105
4 X 50.0	396/0.40	1.6	42.21	3080.8	0.393	140
4 X 70.0	360/0.50	1.6	47.09	4036.1	0.277	175
4 X 95.0	475/0.50	1.8	53.37	5232.3	0.210	210
4 X 120.0	608/0.580	1.8	57.95	6389.6	0.164	250