

# CF-101

## CONTROL CABLE

**POLYIMIDE - FIBER GLASS -ALMYLAR - FIBER GLASS 400°C**



JSS 51037, IS 8130

Voltage Grade : 600/1100V

### SPECIFICATIONS

- Conductor : Multistrand, Bare Copper, Nickel Plated Copper, Silver Plated Copper, Tinned Plated Copper
- Core Insulation : Polyimide Tape / Double Fiber Glass Insulation with High Temp Varnish
- Construction : Twisted
- Screening : Almylar Screen With ATC Drain Wire
- Outer Sheath : Fiber Glass Insulation with High Temp. Varnish
- Operating Temp. : 400°C

### FEATURES

- ✓ Max. Temp. Up to 400°C
- ✓ Excellent Heat Resistant
- ✓ Excellent Abrasion Resistance
- ✓ Excellent Flame Retardant
- ✓ Good Thermal Stability
- ✓ Good Chemical Resistivity

### AVAILABLE OPTIONS

- ✓ Color Code as per Customer Requirement
- ✓ Metal Shielding
- ✓ Metal Covering
- ✓ Asbestos Braiding

## CONSTRUCTION DETAILS AND DIMENSIONS

CABLE SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) <sup>2</sup>	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX.) (gm/meter)
CF101	7	0.200	0.22	0.59	Twisted	4.9	46
CF102	7	0.254	0.35	0.76	Twisted	5.2	50
CF103	1	0.810	0.5	0.81	Twisted	5.3	52
CF104	7	0.300	0.5	0.89	Twisted	5.5	60
CF105	24	0.200	0.75	1.1	Twisted	6	69
CF106	14	0.300	1	1.26	Twisted	6.3	82
CF107	3	0.711	1.2	1.39	Twisted	6.8	88
CF108	40	0.200	1.25	1.42	Twisted	6.8	88
CF109	1	1.290	1.3	1.29	Twisted	6.4	95
CF110	19	0.300	1.3	1.52	Twisted	7	96
CF111	21	0.300	1.5	1.55	Twisted	7.2	104
CF112	35	0.300	2.5	2	Twisted	8.2	135
CF113	56	0.300	4	2.56	Twisted	9.4	146
CF114	84	0.300	6	3.11	Twisted	10.6	220
CF115	140	0.300	10	4.1	Twisted	12.7	356
CF116	128	0.400	16	5.11	Twisted	16	505
CF117	198	0.400	25	6.4	Twisted	18.2	768
CF118	278	0.400	35	7.6	Twisted	20.4	1111

### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(CFXXX)	(XXX)	(XX)	(XXX)	(X)
101 to 118	BC0 NPC TPC SPC PN0	01 02 - - 50	BW0 BWB CS0	T-(Twisted)

**Note :** BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper), PN0 (Pure Nickel).  
BW0 (Blue - White), BWB (Blue - White - Brown), CS0 (Customer specification)

# CPE-101

## CONTROL CABLE

PE - POLYESTER TAPE - COPPER SCREEN  
- PVC INSULATED - 85°C



Is 1554, Is 8130

Voltage Grade : 600/1100V

### SPECIFICATIONS

Conductor	: Solid, Multistrand, Bare Copper, Nickel Plated Copper, Silver Plated Copper, Tinned Plated Copper
Core Insulation	: Extruded PE Insulated
Construction	: Twisted
Isolator	: Polyester Tape
Screening	: Copper Screening
Outer Jacket	: Extruded PVC Insulated
Operating Temp. :	85°C

### FEATURES

- ✓ Max. Temp. Up to 85°C
- ✓ Outstanding Insulating Properties
- ✓ High Mechanical Strength
- ✓ Good Thermal Stability
- ✓ Flame Retardant

### AVAILABLE OPTIONS

- ✓ Color Code as per Customer Requirement
- ✓ Almylar Tape Screening
- ✓ Covering of Metal Braiding

### CONSTRUCTION DETAILS AND DIMENSIONS

CABLE SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) <sup>2</sup>	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX.) (gm/meter)
CPE101	7	0.254	0.35	0.76	Twisted	5.6	55
CPE102	7	0.152	0.12	0.45	Twisted	4.9	22
CPE103	7	0.193	0.22	0.57	Twisted	5.2	33.5
CPE104	7	0.274	0.42	0.81	Twisted	6	64.5
CPE105	3	0.711	1.2	1.39	Twisted	8.2	120
CPE106	7	0.160	0.14	0.48	Twisted	5	26
CPE107	1	0.510	0.2	0.51	Twisted	5.1	32.7
CPE108	14	0.200	0.45	0.84	Twisted	6.2	68.5
CPE109	1	0.810	0.5	0.81	Twisted	6	72.5
CPE110	7	0.300	0.5	0.9	Twisted	7	72.5
CPE111	1	1.020	0.75	1.02	Twisted	7.5	90
CPE112	14	0.300	1	1.26	Twisted	8	105
CPE113	1	1.290	1.3	1.29	Twisted	8	135
CPE114	19	0.300	1.3	1.52	Twisted	8.5	135
CPE115	40	0.200	1.25	1.42	Twisted	8.4	128
CPE116	21	0.300	1.5	1.55	Twisted	8.5	152
CPE117	35	0.300	2.5	2.00	Twisted	10.5	195
CPE118	56	0.300	4.0	2.53	Twisted	12.5	253

### ORDERING CODE

Conductor Size (CPEXXX)	Type of Conductor (XXX)	No. of Core (XX)	Color Code (XXX)	Cable Formation (X)
101 to 118	BC0 NPC TPC SPC PN0	01 02 - - 50	BW0 BWB CS0	T-(Twisted)

**Note :** BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper), PN0 (Pure Nickel).  
BW0 (Blue - White), BWB (Blue - White - Brown), CS0 (Customer specification)

# CS-101

## CONTROL CABLE

SILICON - SILICON INSULATED 200°C



IS 9968, IS 8130

Voltage Grade : 600/1100V

### SPECIFICATIONS

Conductor : Multistrand, Bare Copper, Nickel Plated Copper, Silver Plated Copper, Tinned Plated Copper  
 Core Insulation : Silicon Insulation  
 Construction : Twisted  
 Outer Sheath : Silicon Insulation  
 Operating Temp. : 200°C

### FEATURES

- ✓ Max. Temp. Up to 200°C
- ✓ Excellent Heat Resistant
- ✓ Excellent Dielectric Property
- ✓ Outstanding Insulating Properties
- ✓ Excellent Flexibility

### AVAILABLE OPTIONS

- ✓ Color Code as per Customer Requirement
- ✓ Almylar Tape Shielded and Metal Shielding
- ✓ Metal Covering

### CONSTRUCTION DETAILS AND DIMENSIONS

CABLE SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) <sup>2</sup>	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX.) (gm/meter)
CS101	7	0.200	0.22	0.59	Twisted	5.5	40
CS102	7	0.254	0.35	0.76	Twisted	5.8	50
CS103	1	0.810	0.5	0.81	Twisted	5.9	52
CS104	7	0.300	0.5	0.89	Twisted	6	53
CS105	24	0.200	0.75	1.1	Twisted	7	72
CS106	14	0.300	1	1.26	Twisted	7.7	92
CS107	3	0.711	1.2	1.39	Twisted	8	100
CS108	40	0.200	1.25	1.42	Twisted	8.1	105
CS109	1	1.290	1.3	1.29	Twisted	8.3	107
CS110	19	0.300	1.3	1.52	Twisted	8.7	109
CS111	21	0.300	1.5	1.55	Twisted	8.8	117
CS112	35	0.300	2.5	2	Twisted	10.5	165
CS113	56	0.300	4	2.56	Twisted	11.8	185
CS114	84	0.300	6	3.11	Twisted	13	333
CS115	140	0.300	10	4.1	Twisted	15.3	425
CS116	128	0.400	16	5.11	Twisted	17.7	700
CS117	198	0.400	25	6.4	Twisted	23	1015
CS118	278	0.400	35	7.6	Twisted	27	1600

### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(CSXXX)	(XXX)	(XX)	(XXX)	(X)
101 to 118	BC0 NPC TPC SPC PN0	01 02 - - 50	BW0 BWB CS0	T-(Twisted)

**Note :** BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper), PN0 (Pure Nickel).  
 BW0 (Blue - White), BWB (Blue - White - Brown), CS0 (Customer specification)

# CT-101

## CONTROL CABLE

PTFE - PTFE INSULATED - 260°C



JSS 51034, IS 8130

Voltage Grade : 600/1100V

### SPECIFICATIONS

Conductor : Multistrand, Bare Copper, Nickel Plated Copper, Silver Plated Copper, Tinned Plated Copper  
 Core Insulation : PTFE Insulated  
 Construction : Twisted  
 Outer Jacket : PTFE Sheathed  
 Operating Temp. : 260°C

### FEATURES

- ✓ Max. Temp. Up to 260°C
- ✓ Excellent Heat Resistant
- ✓ Outstanding Insulating Properties
- ✓ Good Thermal Stability
- ✓ Good Mechanical Strength
- ✓ Flame Retardant
- ✓ Passes JSS 51034 Flame Test

### AVAILABLE OPTIONS

- ✓ Metal Braiding Over Jacket
- ✓ Twisted / Shielded Pair
- ✓ Color Code as per Customer Requirement
- ✓ Asbestos Braiding for Better Chemical & Heat Resistance Purpose

### CONSTRUCTION DETAILS AND DIMENSIONS

CABLE SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) <sup>2</sup>	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX.) (gm/meter)
CT101	7	0.122	0.08	0.36	Twisted	2.4	9.5
CT102	7	0.152	0.12	0.45	Twisted	2.5	10.1
CT103	7	0.193	0.22	0.57	Twisted	2.7	13.8
CT104	7	0.274	0.42	0.81	Twisted	3.2	22.1
CT105	3	0.711	1.2	1.39	Twisted	4.6	59.1
CT106	7	0.160	0.14	0.48	Twisted	2.7	12.2
CT107	1	0.510	0.2	0.51	Twisted	2.9	13.7
CT108	7	0.274	0.45	0.82	Twisted	3.4	26
CT109	1	0.810	0.5	0.81	Twisted	3.4	28
CT110	7	0.300	0.5	0.9	Twisted	3.6	28
CT111	1	1.020	0.75	1.02	Twisted	3.8	43
CT112	14	0.300	1	1.26	Twisted	4.5	58
CT113	1	1.290	1.3	1.29	Twisted	4.7	115
CT114	19	0.300	1.3	1.52	Twisted	4.9	115
CT115	40	0.200	1.25	1.42	Twisted	4.5	60
CT116	21	0.300	1.5	1.55	Twisted	5	73
CT117	1	1.788	2.5	1.788	Twisted	5.8	120
CT118	56	0.300	4	2.53	Twisted	7.8	170

### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(CTXXX)	(XXX)	(XX)	(XXX)	(X)
101 to 118	BC0 NPC TPC SPC PN0	01 02 - - 50	BW0 BWB CS0	T-(Twisted)

**Note :** BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper), PN0 (Pure Nickel).  
 BW0 (Blue - White), BWB (Blue - White - Brown), CS0 (Customer specification)

## CT-201

### CONTROL CABLE

PTFE - POLYIMIDE - COPPER SCREEN  
- PTFE 200°C



JSS 51034, IS 8130

Voltage Grade : 600/1100V

#### SPECIFICATIONS

Conductor	: Multistrand, Bare Copper, Nickel Plated Copper, Silver Plated Copper, Tinned Plated Copper
Core Insulation	: PTFE Insulated
Construction	: Twisted
Isolator	: Polyimide Insulation
Screening	: Copper Screening
Outer Jacket	: PTFE Insulation
Operating Temp.	: 260°C

#### FEATURES

- ✓ Max. Temp. Up to 260°C
- ✓ Excellent Heat Resistant
- ✓ Low Dielectric Constant
- ✓ Outstanding Insulating Properties
- ✓ Flame Retardant
- ✓ Passes JSS 51034 Flame Test

#### AVAILABLE OPTIONS

- ✓ Color Code as per Customer Requirement
- ✓ Available with 1.1 KV Grade
- ✓ Twisted & Shielded Triad
- ✓ Asbestos Braiding for Better Chemical & Heat Resistance Purpose

#### CONSTRUCTION DETAILS AND DIMENSIONS

CABLE SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) <sup>2</sup>	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX.) (gm/meter)
CT201	7	0.122	0.08	0.36	Twisted	2.9	17
CT202	7	0.152	0.12	0.45	Twisted	3	19
CT203	7	0.193	0.22	0.57	Twisted	3.3	26
CT204	7	0.274	0.42	0.81	Twisted	3.75	35
CT205	3	0.711	1.2	1.39	Twisted	5	71
CT206	7	0.160	0.14	0.48	Twisted	3.7	19
CT207	1	0.510	0.2	0.51	Twisted	3.9	26
CT208	14	0.200	0.45	0.84	Twisted	4.5	35.5
CT209	1	0.810	0.5	0.81	Twisted	4.5	38.5
CT210	7	0.300	0.5	0.9	Twisted	4.6	38.5
CT211	1	1.020	0.75	1.02	Twisted	4.85	55
CT212	14	0.300	1	1.26	Twisted	5.35	63
CT213	1	1.290	1.3	1.29	Twisted	5.5	82
CT214	19	0.300	1.3	1.52	Twisted	6	82
CT215	40	0.200	1.25	1.42	Twisted	5.8	81
CT216	21	0.300	1.5	1.55	Twisted	6.1	90
CT217	35	0.300	2.5	2.00	Twisted	6.7	146
CT218	56	0.300	4.00	2.53	Twisted	8.8	196

#### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(CTXXX)	(XXX)	(XX)	(XXX)	(X)
201 to 218	BC0 NPC TPC SPC PN0	01 02 - - 50	BW0 BWB CS0	T-(Twisted)

**Note :** BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper), PN0 (Pure Nickel).  
BW0 (Blue - White), BWB (Blue - White - Brown), CS0 (Customer specification)