

ITF-301

INSTRUMENTATION CABLE

FEP - POLYIMIDE - COPPER SCREEN -
FEP INSULATED - 200°C



JSS 51034, JSS 51037, JSS 51038, IS 8130

Voltage Grade : 600/1100V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Electrolytic Grade Conductor Bare Copper, NPC, SPC, TPC As per IS 8130:84
Insulation	: Extruded FEP Insulated
Construction	: Twisted
Isolator	: Polyimide Tape
Screening	: Copper Screen
Outer Jacket	: Extruded FEP Insulated
Operating Temp. :	200°C

FEATURES

- ✓ Max. Temp. Up to 200°C
- ✓ Suitable for High Voltage Use
- ✓ Low Dielectric Constant
- ✓ Excellent Fire Retardant Property
- ✓ Smaller Diameter
- ✓ Good Mechanical Strength
- ✓ Good Flexibility
- ✓ Good Moisture, Chemical Abrasion Resistance

AVAILABLE OPTIONS

- ✓ Metal Covering
- ✓ Special Colour Code
- ✓ Asbestos Covering

CONSTRUCTION DETAILS AND DIMENSIONS

CABLE SIZE	NO. OF STRANDS	STRAND DIAMETER (mm)	AREA OF CONDUCTOR (mm) ²	BARE CONDUCTOR DIA.(mm)	FORMATION	CABLE DIMENSION (mm)(max.)	CABLE WT. (APPROX.) (gm/meter)
ITF301	7	0.152	0.12	0.46	Twisted	2.6	13.36
ITF302	7	0.160	0.14	0.48	Twisted	2.7	14.8
ITF303	1	0.510	0.2	0.51	Twisted	2.8	24.2
ITF304	7	0.200	0.22	0.59	Twisted	2.9	24.9
ITF305	7	0.274	0.42	0.81	Twisted	4.1	33.56
ITF306	14	0.200	0.45	0.84	Twisted	4.2	35.9
ITF307	1	0.810	0.5	0.81	Twisted	4.2	36.8
ITF308	7	0.300	0.5	0.89	Twisted	4.3	36.8
ITF309	24	0.200	0.75	1.1	Twisted	4.8	46.5
ITF310	14	0.300	1	1.26	Twisted	5.2	59
ITF311	3	0.711	1.2	1.39	Twisted	5.4	67.5
ITF312	40	0.200	1.25	1.42	Twisted	5.5	73.5
ITF313	1	1.290	1.3	1.29	Twisted	5.6	75.8
ITF314	19	0.300	1.3	1.52	Twisted	5.7	75.8
ITF315	21	0.300	1.5	1.55	Twisted	5.8	78
ITF316	35	0.300	2.5	2	Twisted	7	105

ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(ITFXXX)	(XXX)	(XX)	(XXX)	(X)
301 to 316	BC0 NPC TPC SPC	01 02 - - 48	BW0 CS0	T-(Twisted)

Note : BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper)
BW0 (Blue - White), CS0 (Customer specification)