

IT-301

INSTRUMENTATION CABLE

**TEFLON-INDIVIDUAL & OVERALL
ALMYLAR SCREENING-TEFLON (TYPE F)
- 200°C**



JSS 51034, JSS 51038, VDE 207-6, IS 8130

Voltage Grade : 600V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Electrolytic Grade Conductor Bare Copper, NPC, SPC
Insulation	: PTFE Insulated
Construction	: Twisted
Isolator	: Polyimide Tape
Screening	: Individual & Overall Almylar Tape Screening with ATC Drain Wire
Outer Jacket	: PTFE Sheathed
Operating Temp.	: 260°C

FEATURES

- ✓ Max. Temp. Up to 260°C
- ✓ Suitable for High Voltage Use
- ✓ Low Dielectric Constant
- ✓ Excellent Fire Retardant Property
- ✓ Higher Resist to Electromagnetic Signal
- ✓ Halogen Free
- ✓ Good Mechanical Strength

AVAILABLE OPTIONS

- ✓ Metal Covering
- ✓ Special Colour Code
- ✓ Metal Shielding
- ✓ Available with 1.1 KV grade

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Oding Code	Wire Type	No of Strands	Strand Dia (mm)	Cross Section Area (mm ²)	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Cable Diameter mm (Flat)	Nominal Cable Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
IT301	Solid	1	0.81	0.5	0.81	Twisted	-	8.5	85
IT302	Multistrand	7	0.30	0.50	0.90	Twisted	-	8.7	85.0
IT303	Multistrand	7	0.32	0.56	0.96	Twisted	-	8.9	95.0
IT304	Multistrand	7	0.37	0.75	1.1	Twisted	-	9.1	107
IT305	Multistrand	24	0.20	0.75	1.11	Twisted	-	9.1	107.0
IT306	Multistrand	7	0.43	1.00	1.30	Twisted	-	9.3	128.0
IT307	Multistrand	14	0.30	1.00	1.30	Twisted	-	9.3	128.0
IT308	Multistrand	19	0.32	1.50	1.60	Twisted	-	9.9	148.0
IT309	Multistrand	21	0.30	1.50	1.60	Twisted	-	9.9	148.0

Note : Above parameters are considering 2 pair (F-type) cable

ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(ITXXX)	(XXX)	(XX)	(XXX)	(X)
301 to 309	BC0 NPC SPC	01 02 - - 48	BW0 CS0	T-(Twisted)

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