

IP-101

INSTRUMENTATION CABLE

PVC - ALMYLAR - PVC INSULATED - 90°C



IS 1554, BS 5308, IS 8130

Voltage Grade : 600V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Electrolytic Grade Conductor Bare Copper, TPC As per IS 8130:84
Insulation	: PVC/HR PVC/LSZH Insulation
Construction	: Twisted
Shielding	: Almylar Shield with ATC Drain Wire
Outer Sheath	: PVC / FR PVC / FRLS PVC / HR PVC / LSZH
Operating Temp	: 90°C

FEATURES

- ✓ Max. Temp. Up to 90°C
- ✓ Excellent Physical Properties
- ✓ Excellent Di-Electric Constant
- ✓ Excellent Flame Retardant Property
- ✓ Good Heat Resistivity
- ✓ High Thermal endurance
- ✓ Good Moisture, Chemical Abrasion Resistance

AVAILABLE OPTIONS

- ✓ Armouring
- ✓ Available with Zero Halogen Property
- ✓ Available with Fire Retardant Property
- ✓ Special Colour Code
- ✓ Available with 1.1KV Grade

CONSTRUCTION DETAILS AND DIMENSIONS

Cable Odering Code	Wire Type	No of Strands	Strand Dia (mm)	Cross Section Area (mm ²)	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
IP101	Solid	1	0.51	0.20	0.51	Twisted	6.20	38.0
IP102	Multistrand	7	0.20	0.22	0.56	Twisted	5.80	40.0
IP103	Multistrand	7	0.25	0.35	0.75	Twisted	6.20	46.0
IP104	Solid	1	0.81	0.50	0.81	Twisted	6.70	53.0
IP105	Multistrand	7	0.30	0.50	0.90	Twisted	6.60	53.0
IP106	Multistrand	16	0.20	0.50	0.90	Twisted	6.60	53.0
IP107	Multistrand	7	0.37	0.75	1.11	Twisted	7.00	62.0
IP108	Multistrand	24	0.20	0.75	1.11	Twisted	7.00	62.0
IP109	Solid	1	1.02	0.81	1.02	Twisted	7.10	75.0
IP110	Multistrand	7	0.40	0.88	1.20	Twisted	7.20	82.0
IP111	Solid	1	1.13	1.00	1.13	Twisted	7.20	90.0
IP112	Multistrand	14	0.30	1.00	1.30	Twisted	7.50	90.0
IP113	Multistrand	32	0.20	1.00	1.30	Twisted	7.50	90.0
IP114	Multistrand	7	0.43	1.00	1.30	Twisted	7.50	90.0
IP115	Multistrand	40	0.19	1.25	1.40	Twisted	7.80	98.0
IP116	Solid	1	1.29	1.30	1.29	Twisted	7.60	105.0
IP117	Multistrand	19	0.30	1.30	1.50	Twisted	8.00	105.0
IP118	Multistrand	21	0.30	1.50	1.55	Twisted	8.40	115.0
IP119	Multistrand	7	0.53	1.50	1.55	Twisted	8.40	115.0
IP120	Multistrand	48	0.19	1.50	1.55	Twisted	8.40	115.0
IP121	Multistrand	7	0.67	2.50	2.00	Twisted	10.5	125
IP122	Multistrand	50	0.25	2.50	2.00	Twisted	10.5	125
IP123	Multistrand	35	0.30	2.50	2.00	Twisted	10.5	125

Note : Above parameters are considering 2 core cable

ORDERING CODE

Conductor Size

(IPXXX)

101
to
123

Type of Conductor

(XXX)

BC0
TPC

No. of Core

(XX)

01
02
-
-
48

Color Code

(XXX)

BW0
CS0

Cable Formation

(X)

T-(Twisted)
F-(Flat)

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