

## IPE-201

### INSTRUMENTATION CABLE

PE -MYLAR TAPE- COPPER BRAIDING - PVC - 90°C



IS 1554, BS 5308, BS 50288-7, IS 8130

Voltage Grade : 600V

#### SPECIFICATIONS

Conductor	: Solid, Multistrand, Electrolytic Grade Conductor Bare Copper, TPC As per IS 8130:84
Insulation	: PE Insulation
Isolator	: Mylar Tape
Construction	: Twisted
Shielding	: Copper Braided Shield
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 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 Oding Code	Wire Type	No of Strands	Strand Dia (mm)	Cross Section Area (mm <sup>2</sup> )	Nominal Bunched Conductor Dia (mm)	Cable Formation	Nominal Diameter mm (Twisted)	Cable Wgt (Approx.) Kg/Km
IPE201	Solid	1	0.51	0.20	0.51	Twisted	6.20	40.0
IPE202	Multistrand	7	0.20	0.22	0.56	Twisted	5.80	42.0
IPE203	Multistrand	7	0.25	0.35	0.75	Twisted	6.20	48.0
IPE204	Solid	1	0.81	0.50	0.81	Twisted	6.70	55.0
IPE205	Multistrand	7	0.30	0.50	0.90	Twisted	6.60	55.0
IPE206	Multistrand	16	0.20	0.50	0.90	Twisted	6.60	55.0
IPE207	Multistrand	7	0.37	0.75	1.11	Twisted	7.00	63.0
IPE208	Multistrand	24	0.20	0.75	1.11	Twisted	7.00	63.0
IPE209	Solid	1	1.02	0.81	1.02	Twisted	7.10	75.0
IPE210	Multistrand	7	0.40	0.88	1.20	Twisted	7.20	82.0
IPE211	Solid	1	1.13	1.00	1.13	Twisted	7.20	92.0
IPE212	Multistrand	14	0.30	1.00	1.30	Twisted	7.50	92.0
IPE213	Multistrand	32	0.20	1.00	1.30	Twisted	7.50	92.0
IPE214	Multistrand	7	0.43	1.00	1.30	Twisted	7.50	92.0
IPE215	Multistrand	40	0.19	1.25	1.40	Twisted	7.80	101.0
IPE216	Solid	1	1.29	1.30	1.29	Twisted	7.60	108.0
IPE217	Multistrand	19	0.30	1.30	1.50	Twisted	8.00	108.0
IPE218	Multistrand	21	0.30	1.50	1.55	Twisted	8.40	120.0
IPE219	Multistrand	7	0.53	1.50	1.55	Twisted	8.40	120.0
IPE220	Multistrand	48	0.19	1.50	1.55	Twisted	8.40	120.0
IPE221	Multistrand	7	0.67	2.50	2.00	Twisted	10.5	135
IPE222	Multistrand	50	0.25	2.50	2.00	Twisted	10.5	135
IPE223	Multistrand	35	0.30	2.50	2.00	Twisted	10.5	135

Note : Above parameters are considering 2 core cable

#### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(IPEXXX)	(XXX)	(XX)	(XXX)	(X)
201 to 223	BC0 TPC	01 02 - - 48	BW0 CS0	T-(Twisted)

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