

## IPE-301

### INSTRUMENTATION CABLE

PE -ALMYLER SCREEN-INNER PVC-GI  
ARMOURING-OUTER PVC - 90°C



IS 7098, IS 8130, BS 5308, IEC 60502-1

Voltage Grade : 600V

#### SPECIFICATIONS

Conductor	: Solid, Multistrand, Electrolytic Grade Conductor Bare Copper, TPC, As per IS 8130:84
Insulation	: XLPE Insulation
Construction	: Twisted
Shielding	: Almylar Shield with ATC Drain Wire
Inner Sheath	: PVC / FR PVC / FRLS PVC / HR PVC / LSZH
Armouring	: Galvanized Iron Wire, Round / Flat Strip
Outer Jacket	: 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

- ✓ Metal Coverings
- ✓ Available with Zero Halogen Property
- ✓ Available with Fire Retardant Property
- ✓ 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
IPE301	Solid	1	0.81	0.50	0.81	Twisted	10.70	205.0
IPE302	Multistrand	7	0.30	0.50	0.90	Twisted	11.00	205.0
IPE303	Multistrand	7	0.37	0.75	1.11	Twisted	11.50	235.0
IPE304	Solid	1	1.02	0.81	1.02	Twisted	11.50	245.0
IPE305	Multistrand	7	0.40	0.88	1.20	Twisted	11.80	245.0
IPE306	Solid	1	1.13	1.00	1.13	Twisted	11.50	255.0
IPE307	Multistrand	14	0.30	1.00	1.30	Twisted	12.00	255.0
IPE308	Multistrand	7	0.43	1.00	1.30	Twisted	12.00	255.0
IPE309	Solid	1	1.29	1.30	1.29	Twisted	12.00	260.0
IPE310	Multistrand	19	0.30	1.30	1.50	Twisted	12.50	260.0
IPE311	Multistrand	21	0.30	1.50	1.55	Twisted	12.50	280.0
IPE312	Multistrand	7	0.53	1.50	1.55	Twisted	12.50	280.0
IPE313	Multistrand	7	0.67	2.50	2.00	Twisted	14	325
IPE314	Multistrand	35	0.30	2.50	2.00	Twisted	14	325

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)
301 to 314	BC0 TPC	01 02 - - 48	BW0 CS0	T-(Twisted)

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