

IPE-101

INSTRUMENTATION CABLE

PE - ALMYLAR - PVC INSULATED - 85 °C



IS 1554, BS 5308, IS 8130

Voltage Grade : 600/1100V

SPECIFICATIONS

Conductor	: Solid, Multistrand, Electrolytic Grade Conductor Bare Copper, TPC As per IS 8130:84
Insulation	: PE Insulation
Construction	: Twisted
Shielding	: Almylar Shield with ATC Drain Wire
Inner Sheath	: PVC / FR PVC / FRLS PVC / HR PVC
Operating Temp	: 85°C

FEATURES

- ✓ Max. Temp. Up to 85°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

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)
IPE101	7	0.160	0.14	0.48	Twisted	4.1	30
IPE102	1	0.510	0.2	0.51	Twisted	4.2	32.1
IPE103	7	0.200	0.22	0.59	Twisted	5.6	37
IPE104	7	0.274	0.42	0.81	Twisted	6	47
IPE105	14	0.200	0.45	0.84	Twisted	6.1	48.6
IPE106	1	0.810	0.5	0.81	Twisted	6	54
IPE107	7	0.300	0.5	0.89	Twisted	6.2	54
IPE108	24	0.200	0.75	1.1	Twisted	6.6	64
IPE109	14	0.300	1	1.26	Twisted	7.4	72
IPE110	3	0.711	1.2	1.39	Twisted	7.7	77.8
IPE111	40	0.200	1.25	1.42	Twisted	8	82.2
IPE112	1	1.290	1.3	1.29	Twisted	8	86.5
IPE113	19	0.300	1.3	1.52	Twisted	8.2	86.5
IPE114	21	0.300	1.5	1.55	Twisted	8.3	92
IPE115	35	0.300	2.5	2	Twisted	10.6	138

ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(IPEXXX)	(XXX)	(XX)	(XXX)	(X)
101 to 115	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)