

## IX-101

### INSTRUMENTATION CABLE

XLPE -ALMYLAR SCREENING- PVC- 90°C



IS 7098, IS 8130, BS 5308

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
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 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
IX101	Solid	1	0.51	0.20	0.51	Twisted	6.20	36.0
IX102	Multistrand	7	0.20	0.22	0.56	Twisted	5.80	38.0
IX103	Multistrand	7	0.25	0.35	0.75	Twisted	6.20	44.0
IX104	Solid	1	0.81	0.50	0.81	Twisted	6.70	50.0
IX105	Multistrand	7	0.30	0.50	0.90	Twisted	6.60	50.0
IX106	Multistrand	16	0.20	0.50	0.90	Twisted	6.60	50.0
IX107	Multistrand	7	0.37	0.75	1.11	Twisted	7.00	58.0
IX108	Multistrand	24	0.20	0.75	1.11	Twisted	7.00	58.0
IX109	Solid	1	1.02	0.81	1.02	Twisted	7.10	70.0
IX110	Multistrand	7	0.40	0.88	1.20	Twisted	7.20	76.0
IX111	Solid	1	1.13	1.00	1.13	Twisted	7.20	85.0
IX112	Multistrand	14	0.30	1.00	1.30	Twisted	7.50	85.0
IX113	Multistrand	32	0.20	1.00	1.30	Twisted	7.50	85.0
IX114	Multistrand	7	0.43	1.00	1.30	Twisted	7.50	85.0
IX115	Multistrand	40	0.19	1.25	1.40	Twisted	7.80	90.0
IX116	Solid	1	1.29	1.30	1.29	Twisted	7.60	97.0
IX117	Multistrand	19	0.30	1.30	1.50	Twisted	8.00	97.0
IX118	Multistrand	21	0.30	1.50	1.55	Twisted	8.40	108.0
IX119	Multistrand	7	0.53	1.50	1.55	Twisted	8.40	108.0
IX120	Multistrand	48	0.19	1.50	1.55	Twisted	8.40	108.0
IX121	Multistrand	7	0.67	2.50	2.00	Twisted	10.5	118
IX122	Multistrand	50	0.25	2.50	2.00	Twisted	10.5	118
IX123	Multistrand	35	0.30	2.50	2.00	Twisted	10.5	118

Note : Above parameters are considering 2 core cable

#### ORDERING CODE

Conductor Size	Type of Conductor	No. of Core	Color Code	Cable Formation
(IXXXX)	(XXX)	(XX)	(XXX)	(X)
101 to 123	BC0 TPC	01 02 - - 48	BW0 CS0	T-(Twisted)

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