

# THREE CORE ALUMINUM/ COPPER PVC ARMoured & UNARMoured CABLE

## PRODUCT DETAILS

Three Core, Aluminum/ Copper Conductor, PVC Insulated, Un-armoured / Armoured, PVC Outer Sheath Cable conforming to IS 1554 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -5°C to +70°C/85°C
- UV Resistance
- RoHS Compliant



## TECHNICAL SPECIFICATIONS

MATERIAL		REF. SPEC
Conductor	Aluminum/ Copper conductor	IS 8130
Insulation	Extruded PVC Type -A, Extruded HR PVC Type -C	IS 5831
Insulation Color	Red, Yellow & Blue	IS 1554 Part-1
Inner Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Outer Sheath	Extruded PVC Type ST-1, Extruded HR PVC Type ST-2	IS 5831
Special Properties (on request)	Flame Retardant Flame Retardant Low Smoke Flame Retardant Low Smoke Zero Halogen	

### 3 CORE ALUMINIUM/COPPER PVC ARMoured AND UNARMoured CABLES IS:1554(P-1)-1988

No. Of Cores & Cross Sectional Area	Minimum Numbers Of Wires		Nominal Thickness of insulation (mm)	Minimum Thickness of Inner Sheath (mm)	ARMoured			UNARMoured		CURRENT RATINGS					
					Nominal Diameter of Armour Wire/Strip (mm)	Minimum Thickness of Outer Sheath (mm)	Overall Diameter (approx) (mm)	Nominal Thickness of Outer Sheath (mm)	Overall Diameter (approx) (mm)	Direct In Ground		In Duct		In Air	
	Copper	Aluminium								Copper	Aluminium	Copper	Aluminium	Copper	Aluminium
3C X 1.5	1	1	0.80	0.30	1.40	1.24	14.00	1.80	11.00	21	16	17	14	17	13
3C X 2.5	1	1	0.90	0.30	1.40	1.24	15.00	1.80	12.00	27	21	24	18	24	18
3C X 4	1	1	1.00	0.30	1.40	1.24	16.50	1.80	13.50	36	28	30	23	30	23
3C X 6	1	1	1.00	0.30	1.40	1.24	17.00	1.80	14.50	45	35	38	30	39	30
3C X 10	6	1	1.00	0.30	1.40	1.40	19.50	1.80	16.00	60	46	50	39	57	40
3C X 16	6	6	1.00	0.30	4 x 0.8	1.40	20.50	1.80	18.50	77	60	64	50	66	51
3C X 25	6	6	1.20	0.30	4 x 0.8	1.40	23.00	2.00	21.50	99	76	81	63	90	70
3C X 35	6	6	1.20	0.30	4 x 0.8	1.40	25.00	2.00	23.50	120	92	99	77	110	86
3C X 50	6	6	1.40	0.30	4 x 0.8	1.56	28.00	2.00	26.50	145	110	125	95	135	105
3C X 70	12	12	1.40	0.40	4 x 0.8	1.56	32.00	2.20	30.00	175	135	150	115	165	130
3C X 95	15	15	1.60	0.40	4 x 0.8	1.56	36.00	2.20	34.00	210	165	175	140	200	155
3C X 120	18	15	1.60	0.40	4 x 0.8	1.72	40.00	2.20	37.00	240	185	195	155	230	180
3C X 150	18	15	1.80	0.40	4 x 0.8	1.88	42.50	2.40	40.00	270	210	225	175	265	205
3C X 185	30	30	2.00	0.50	4 x 0.8	1.88	48.00	2.60	44.00	300	235	255	200	305	240
3C X 240	34	30	2.20	0.60	4 x 0.8	2.20	54.00	2.80	51.00	345	275	295	235	355	280
3C X 300	34	30	2.40	0.60	4 x 0.8	2.36	58.50	3.00	56.00	385	305	335	260	400	315
3C X 400	53	53	2.60	0.70	4 x 0.8	2.52	68.00	3.40	64.00	425	335	360	290	455	375