

# TWO CORE ALUMINUM/ COPPER PVC ARMoured & UNARMoured CABLE

## PRODUCT DETAILS

Two 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 & Black	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	

### 2 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	Minimum Thickness of Inner Sheath	ARMoured			UNARMoured		CURRENT RATINGS					
					Nominal Diameter of Armour Wire/Strip	Minimum Thickness of Outer Sheath	Overall Diameter (approx)	Nominal Thickness of Outer Sheath	Overall Diameter (approx)	Direct In Ground		In Duct		In Air	
	Copper	Aluminium	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Copper	Aluminium	Copper	Aluminium	Copper	Aluminium
2C X 1.5	1	1	0.80	0.30	1.40	1.24	13.00	1.80	10.50	23	18	20	16	20	16
2C X 2.5	1	1	0.90	0.30	1.40	1.24	14.00	1.80	12.00	32	25	27	21	27	21
2C X 4	1	1	1.00	0.30	1.40	1.24	16.00	1.80	13.50	41	32	35	27	35	27
2C X 6	1	1	1.00	0.30	1.40	1.24	17.00	1.80	14.50	50	40	44	34	45	35
2C X 10	6	1	1.00	0.30	1.40	1.24	18.00	1.80	16.00	70	55	58	45	60	47
2C X 16	6	6	1.00	0.30	4 x 0.8	1.40	20.00	1.80	18.00	90	70	75	58	78	59
2C X 25	6	6	1.20	0.30	4 x 0.8	1.40	22.00	2.00	20.50	115	90	97	76	105	78
2C X 35	6	6	1.20	0.30	4 x 0.8	1.40	24.00	2.00	21.50	140	110	120	92	125	99
2C X 50	6	6	1.40	0.30	4 x 0.8	1.56	26.00	2.00	24.00	165	135	145	115	155	125
2C X 70	12	12	1.40	0.30	4 x 0.8	1.56	28.00	2.00	26.00	205	160	180	140	195	150
2C X 95	15	15	1.60	0.40	4 x 0.8	1.56	32.00	2.20	30.00	240	190	215	170	230	185
2C X 120	18	15	1.60	0.40	4 x 0.8	1.56	34.00	2.20	31.50	275	210	235	190	265	210
2C X 150	18	15	1.80	0.40	4 x 0.8	1.72	38.00	2.40	35.00	310	240	270	210	305	240
2C X 185	30	30	2.00	0.50	4 x 0.8	1.88	42.00	2.40	38.50	350	275	300	240	350	275
2C X 240	34	30	2.20	0.50	4 x 0.8	2.04	46.00	2.60	42.00	405	320	345	275	410	325
2C X 300	34	30	2.40	0.60	4 x 0.8	2.20	52.00	2.80	48.00	450	355	385	305	465	365
2C X 400	53	53	2.60	0.70	4 x 0.8	2.36	60.00	3.20	52.00	490	385	425	345	530	420