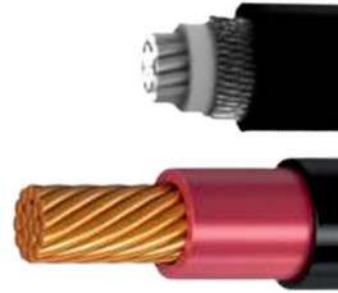


# SINGLE CORE ALUMINUM/ COPPER PVC ARMoured & UNARMoured CABLE

## PRODUCT DETAILS

Single 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	Natural or Red or Yellow, or Blue or Black	IS 1554 Part-1
Inner Sheath	Not applicable	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	

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

No. Of Cores & Cross Sectional Area	Minimum Numbers Of Wires		ARMoured				UNARMoured			CURRENT RATINGS					
			Nominal Thickness of insulation (mm)	Nominal Diameter of Armour Wire (mm)	Minimum Thickness of Outer Sheath (mm)	Overall Diameter (approx) (mm)	Nominal Thickness of insulation (mm)	Nominal Thickness of Outer Sheath (mm)	Overall Diameter (approx) (mm)	Direct in Ground (3 Cables)		In Duct (3 Cables)		In Air (3 Cables)	
										Copper	Aluminium	Copper	Aluminium	Copper	Aluminium
1C X 4	1	1	1.3	1.4	1.24	10.9	1.0	1.8	8.6	39	31	38	30	35	27
1C X 6	1	1	1.3	1.4	1.24	11.4	1.0	1.8	9.1	49	39	48	37	44	35
1C X 10	6	1	1.3	1.4	1.24	12.3	1.0	1.8	10.1	65	51	64	51	60	47
1C X 16	6	6	1.3	1.4	1.24	13.1	1.0	1.8	10.8	85	66	83	65	82	64
1C X 25	6	6	1.5	1.4	1.24	14.7	1.2	1.8	12.4	110	86	110	84	110	84
1C X 35	6	6	1.5	1.4	1.24	15.7	1.2	1.8	13.4	135	100	125	100	130	105
1C X 50	6	6	1.7	1.4	1.24	17.2	1.4	1.8	14.9	155	120	150	115	165	130
1C X 70	12	12	1.7	1.4	1.40	19.1	1.4	1.8	16.5	190	140	175	135	205	155
1C X 95	15	15	1.9	1.6	1.40	21.6	1.6	1.8	18.6	220	175	200	155	245	190
1C X 120	18	15	1.9	1.6	1.40	23.7	1.6	2.0	21.1	250	195	220	170	280	220
1C X 150	18	15	2.1	1.6	1.40	24.8	1.8	2.0	22.2	280	220	245	190	320	250
1C X 185	30	30	2.3	1.6	1.40	27.1	2.0	2.0	24.5	305	240	260	210	370	290
1C X 240	34	30	2.5	1.6	1.56	30.2	2.2	2.0	27.3	345	270	285	225	425	335
1C X 300	34	30	2.7	1.6	1.56	35.0	2.4	2.0	29.8	375	295	310	245	475	380
1C X 400	53	53	3.0	2.0	1.72	37.0	2.6	2.2	33.6	400	325	335	275	550	435
1C X 500	53	53	3.4	2.0	1.72	41.2	3.0	2.2	37.4	425	345	355	295	590	480
1C X 630	53	53	3.9	2.0	1.88	46.2	3.4	2.4	42.2	470	390	375	320	660	550
1C X 800	53	53	3.9	2.0	1.88	52.0	3.4	2.4	48	530	442	425	350	743	600
1C X 1000	53	53	3.9	2.5	2.04	57.5	3.4	2.6	52.2	585	485	467	380	830	720