

FOUR CORE ALUMINUM/ COPPER PVC ARMoured & UNARMoured CABLE

PRODUCT DETAILS

Four 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 & 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	

4 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
4C X 1.5	1	1	0.80	0.30	1.40	1.24	14.50	1.80	12.00	25	13	23	15	22	17
4C X 2.5	1	1	0.90	0.30	1.40	1.24	16.00	1.80	13.00	34	21	32	22	30	24
4C X 4	1	1	1.00	0.30	1.40	1.24	17.50	1.80	15.00	43	34	40	32	36	30
4C X 6	1	1	1.00	0.30	1.40	1.40	19.00	1.80	16.00	54	43	50	44	47	50
4C X 10	6	1	1.00	0.30	4 x 0.8	1.40	21.50	1.80	19.00	72	57	65	62	62	67
4C X 16	6	6	1.00	0.30	4 x 0.8	1.40	22.50	2.00	22.00	92	73	84	71	78	70
4C X 25	6	6	1.20	0.30	4 x 0.8	1.40	24.00	2.00	24.00	119	94	115	95	110	96
4C X 35	6	6	1.20	0.30	4 x 0.8	1.40	26.00	2.00	26.00	144	115	136	116	130	117
4C X 50	6	6	1.40	0.40	4 x 0.8	1.56	30.00	2.20	31.00	174	135	168	138	160	142
4C X 70	12	12	1.40	0.40	4 x 0.8	1.56	33.50	2.20	34.00	210	165	205	170	198	179
4C X 95	15	15	1.60	0.40	4 x 0.8	1.72	38.50	2.40	39.00	252	198	245	215	240	220
4C X 120	18	15	1.60	0.50	4 x 0.8	1.88	42.00	2.40	42.00	288	225	281	240	276	255
4C X 150	18	15	1.80	0.50	4 x 0.8	1.88	45.00	2.60	45.00	324	250	325	267	318	290
4C X 185	30	30	2.00	0.60	4 x 0.8	2.04	50.00	2.80	51.00	360	282	364	310	366	335
4C X 240	34	30	2.20	0.60	4 x 0.8	2.36	57.00	3.00	57.00	414	327	420	352	426	399
4C X 300	34	30	2.40	0.70	4 x 0.8	2.52	63.00	3.40	64.00	462	368	470	415	480	455
4C X 400	53	53	2.60	0.70	4 x 0.8	2.84	71.00	3.60	71.00	600	418	650	455	680	530