

TWO CORE ALUMINUM/ COPPER XLPE ARMoured & UNARMoured CABLE

PRODUCT DETAILS

Two Core, Aluminum/ Copper Conductor, XLPE Insulated, Un-armoured / Armoured, PVC Outer Sheath Cable conforming to IS 7098 Part-1 with up to date amendment.

- Voltage Rating : 1100 Volts
- Temperature Rating : -40°C to +90°C
- UV Resistance
- RoHS Compliant



TECHNICAL SPECIFICATIONS

MATERIAL		REF. SPEC
Conductor	Aluminum/ Copper conductor	IS 8130
Insulation	XLPE	IS 7098 Part-1
Insulation Color	Red & Black	IS 7098 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 XLPE ARMoured AND UNARMoured CABLES IS:7098(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 Air	
	Copper	Aluminium	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Copper	Aluminium	Copper	Aluminium
2C X 4	1	1	0.70	0.30	1.40	1.24	15.00	1.80	13.50	51	40	44	34
2C X 6	1	1	0.70	0.30	1.40	1.24	16.00	1.80	14.50	63	50	56	44
2C X 10	6	1	0.70	0.30	1.40	1.24	18.00	1.80	16.00	88	69	75	59
2C X 16	6	6	0.70	0.30	4 x 0.8	1.40	19.00	1.80	18.00	113	88	98	74
2C X 25	6	6	0.90	0.30	4 x 0.8	1.40	21.00	2.00	20.50	144	112	131	98
2C X 35	6	6	0.90	0.30	4 x 0.8	1.40	22.00	2.00	21.50	175	138	150	124
2C X 50	6	6	1.00	0.30	4 x 0.8	1.40	24.00	2.00	24.00	206	169	194	156
2C X 70	12	12	1.10	0.30	4 x 0.8	1.56	27.00	2.00	26.00	256	200	244	188
2C X 95	15	15	1.10	0.40	4 x 0.8	1.56	31.00	2.20	30.00	300	238	288	231
2C X 120	18	15	1.20	0.40	4 x 0.8	1.56	33.00	2.20	31.50	344	262	331	262
2C X 150	18	15	1.40	0.40	4 x 0.8	1.72	36.00	2.40	35.00	388	300	381	300
2C X 185	30	30	1.60	0.50	4 x 0.8	1.88	40.00	2.40	38.50	438	344	438	344
2C X 240	34	30	1.70	0.50	4 x 0.8	2.04	44.00	2.60	42.00	506	400	512	406
2C X 300	34	30	1.80	0.60	4 x 0.8	2.20	50.00	2.80	48.00	562	444	581	456
2C X 400	53	53	2.00	0.60	4 x 0.8	2.36	54.00	3.20	52.00	612	481	662	525