

# THREE CORE ALUMINUM/ COPPER XLPE ARMoured & UNARMoured CABLE

## PRODUCT DETAILS

Three 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, Yellow & 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	

### 3 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 (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 Air	
										Copper	Aluminium	Copper	Aluminium
3C X 4	1	1	0.70	0.30	1.40	1.24	16.00	1.80	14.50	44	34	40	31
3C X 6	1	1	0.70	0.30	1.40	1.24	17.00	1.80	15.50	55	43	51	40
3C X 10	6	1	0.70	0.30	1.40	1.40	19.00	1.80	18.00	73	57	70	53
3C X 16	6	6	0.70	0.30	4 x 0.8	1.40	20.00	1.80	18.00	97	73	90	70
3C X 25	6	6	0.90	0.30	4 x 0.8	1.40	22.00	2.00	20.50	125	97	122	95
3C X 35	6	6	0.90	0.30	4 x 0.8	1.40	24.00	2.00	22.50	148	116	148	117
3C X 50	6	6	1.00	0.30	4 x 0.8	1.56	26.50	2.00	25.00	175	134	181	140
3C X 70	12	12	1.10	0.40	4 x 0.8	1.56	31.50	2.20	29.00	213	167	230	176
3C X 95	15	15	1.10	0.40	4 x 0.8	1.56	33.50	2.20	31.50	254	199	284	221
3C X 120	18	15	1.20	0.40	4 x 0.8	1.72	38.50	2.20	36.00	292	227	330	258
3C X 150	18	15	1.40	0.50	4 x 0.8	1.88	42.00	2.40	39.50	325	255	375	294
3C X 185	30	30	1.60	0.50	4 x 0.8	2.04	47.00	2.60	43.50	366	287	434	339
3C X 240	34	30	1.70	0.60	4 x 0.8	2.20	50.00	2.80	47.00	421	333	515	402
3C X 300	34	30	1.80	0.60	4 x 0.8	2.36	55.50	3.00	52.50	472	375	588	461
3C X 400	53	53	2.00	0.70	4 x 0.8	2.68	63.50	3.20	60.00	528	426	677	542