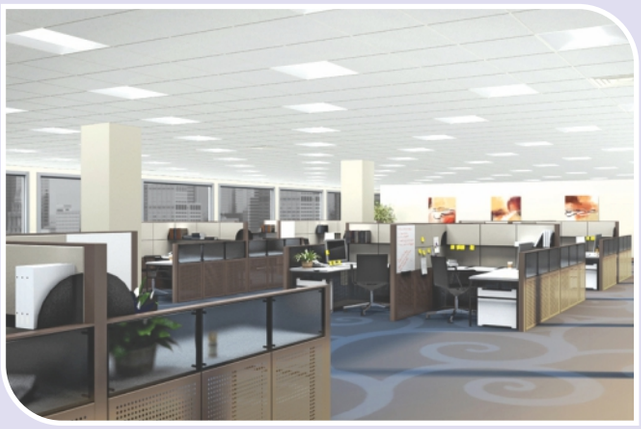
RUBICON™



FIA RTC TAC NTH ERDA

IS 694

CM/L - 3683877

NO PROBLEM CABLES

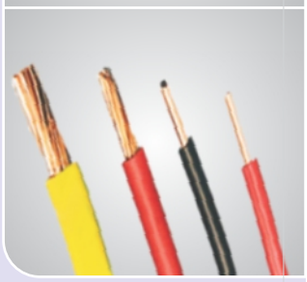
RUBICON FR

RUBICON FRLS

Danger never gives you a second chance. So make sure you and your family remains safe. Trust Rubicon Cables for superior quality and trouble free performance validation as we comply with IS 694. For us, your safety always comes first and hence we recommend our cables over ordinary ones. We know what is best for you, because we care for you.

IS 694

CM/L - 3683877



No Problem Conductor

High Purity, bright electrolytic grade, annealed bare copper are bunched to technical parameters that ensure flexibility and uniform resistance.

FR Insulation

FR Building wires are specially formulated and insulated with a Fire Retardant (FR) PVC Compound, to provide added safety. This FR PVC Compound has a high oxygen and temperature index. These properties help in restricting the spread of fire even at very high temperatures. This special compound also offers high insulation resistance and dielectric strength. In short, FR PVC insulation has better fire retardant properties than normal PVC.

FRLS Insulation

These ISI marked wires meet the requirements of IS 694:1990. In addition to FR insulation, FRLS insulation offer Fire Retardant properties which also emits Low Smoke and toxic hydrochloric acid gas, in case of fire.

Standard Colurs

Red, Black, Blue, Yellow and Green (for earthing).

Packaging

Coils are available in the length of **90 meters (approx. 100 yards).** 180 metre coils are available on request for projects.

Marking

The cables are available with company name, size of wire, voltage grade at regular intervals on the wire to help in easy identification. Cable are also available with computerized sequential with (1-90 mtrs) for specific order only.

SINGLE CORE, UNSHEATHED WIRES IN VOLTAGE GRADE 1100 V.

Nominal Cross Section Area of Conductor Sq. mm	Number / Nom. Dia of wires* (Nom.) Number / mm	Thickness of Insulation (Nom.) mm	Approx. Overall diameter mm	Current Carrying Capacity 2 Cables Single Phase		Resistantce (Max) O.C. at 20°C. Ohm / Km
				Conduit/ Trunking	Unenclosed clipped directly to a surface or on cable trays	
0.75	24 / 0.20*	0.60	2.6	8	9	26.00
1.00	14 / 0.30*	0.70	2.8	12	14	18.10
1.50	22 / 0.30*	0.70	3.0	16	18	12.10
2.50	36 / 0.30*	0.80	3.8	20	24	7.41
4.00	56 / 0.30**	0.80	4.5	24	32	4.95
6.00	84 / 0.30**	0.80	5.3	36	42	3.30

*As per conductor Class 2 of IS 8130 : 1984 ** As per conductor Class 5 of IS 8130 : 1984

Test	Function	Specification / Test Method	Specified Values		
			Normal P V C Type A	FR P V C Type C1	FRLS P V C Type C2
Critical oxygen Index	To determine the % of oxygen required for supporting combustion of insulating material at Room Temperature	IS 10810 P-58	23%	>29%	>29%
Temperature Index	To determine at what temperature normal oxygen content of 21% in air will support combustion of insulating material	IS 10810 P-64	150 C	>250 C	>250 C
Acid Gas Generation	To ascertain the amount of Hydrochloric acid gas evolved from Insulation of wire under **FIRE**	IS 10810 P-59	<45 - 50%	<30%	<20%
Light Transmission (smoke density)	To determine the visibility (Light Transmission) when insulating material is on **FIRE**	ASTM - D 2843	< 20%	< 35%	> 40%

RUBICON™

NO PROBLEM CABLES

RUBICON CABLES INDUSTRIES Vatva, Ahmedabad - INDIA
E-mail : info@rubiconcables.com Website : www.rubiconcables.com

2011-03-RUBICON Leaflet-03 K/RADIANT-079-26582434