

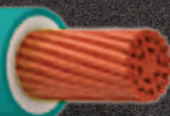


  
**TAMRA**

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# UNILAY HR FR

— INSULATED INDUSTRIAL CABLES —

High on Safety,  
High on Savings

## DESCRIPTION

One of the India's leading manufacturer Heat Resistant and Flame Retardant RoHS Compliant Cable with Unilay conductor. no loose contacts, no broken ends - no sparking and overheating.

## APPLICATION

Suitable for use in conduit and for fixed, protected installation, ideal for high density wiring.

## SPECIFICATIONS

- Approvals - IS 694 marked, CE, RoHS Compliant.
- Voltage Grade - Up to and including 1100 V
- Conductor - Thin strands of electrolytic copper are multi-drawn for uniformity of resistance, dimension and flexibility. The drawn strands are uni-laid with high precision and compacted. Thus forming a perfectly circular conductor which enables reduction in overall diameter for space saving in high density wiring.
- Conductor Speciality - The strands do not get cut when stripping the insulation. The conductor offers perfect contact at pins, terminals and sockets. Thus, eliminating spot heating and sparking.
- Insulation - Specially formulated heat resistant & flame retardant PVC insulation is used. The HR FR property retards the propagation of flame without compromising safety.
- Insulation Conformity : IS 5831, Type C – HR 85°C + FR
- Colours - Red, yellow, blue, black, green, grey & white
- Marking - The cables are printed with marking of 'Tamra UNILAY HR FR'
- Packing - 90 mtr., 200 mtr. coils packed in protective cartons

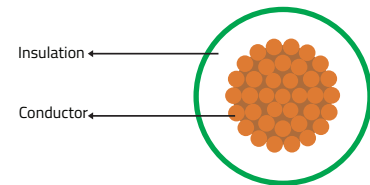
## CABLE DESIGN PARAMETERS

Nominal Cross Sectional Area (Sq. mm)	Nominal Insulation Thickness (mm)	Number *Nominal Dia. of Strands	Approx. Overall Diameter (mm)	Max. DC Conductor Resistance at 20C ( $\Omega$ /km)	Current Rating (Amps)	
					Casing	Concealed
1	0.7	37/0.20	2.6	19.5	12	11
1.5	0.7	37/0.22	3.0	13.3	16	15
2.5	0.8	61/0.22	3.6	7.98	23	19
4	0.8	61/0.30	4.1	4.95	30	26

\*Conductor as per IS 8130

## PROPERTIES

Test	Test Method	Values
Limited Oxygen Index	IS 10810 P-58	> 29%
Limited Temp. Index	IS 10810 P-64	>250 °C



### BRANCH OFFICE

#### DELHI NCR

Suit No. 402, Vipul Trade Centre  
Sohna Road, Sector-48  
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#### MAHARASHTRA

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#### ANDHRA PRADESH

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Hyderabad - 500055

#### GUJARAT

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