

DEPARTMENT OF INDUSTRIES & COMMERCE HARYANA

DIRECTORATE OF MSME

Government Quality Marking Centre
for Electrical Goods

ITI Campus, NH-IV, NIT-5, Faridabad-121001 (Haryana)

Ph. No. 0129-2412251, qmselectfbd@yahoo.in



T.R. No.: QME/FBD/ 288

TEST REPORT

Date: 24/02/23

TEST REPORT No.

060

Name of Article: Fire Retardant Cable Coating				
Submitted By: M/s. Rudra Fire Paint Private Limited, 284, Sahyog Society, Video Theatre, Fatakhdawadi, Ved Road, Surat-395004				
Name of Manufacturer: M/s. Rudra Fire Paint Private Limited				
Sample No./ Marking: QML/65/RUDRA ENTERPRISE				
Letter No.: RFP1/TEST/CABLE COATING/23				Dated:- 27/01/2023
Tested as per Specification No.: IS: 10810 (Part-53&61)/1984 IS:12458-2019 Ref-1988/ IS:12459 & IS:17044-2018/IEC331/332, BS476 Part 6 & 7				
1.	Physical Properties of coating	----		
i)	Colour	Tab.-3	----	White
ii)	Flexibility	As per IS:10810	----	No cracking
2.	Flammability Test	----	----	Passes the test
i)	Vertical Position/Fusulation	IEC 331/332	----	Passes the test
	Intergraty test of cable under fire condition in single core			
ii)	Vertical Position on bunched cable flame test	IEEE 383	----	Passes the test
3.	Limiting Oxygen Index (%)	As per IS:10810 Tab.-9		
i.	Coated	--do--	----	Satisfactory
ii.	Un-coated	--do--	----	Satisfactory
4.	Fire Resistant Through Penetration fire stop method for duct & cable	IS 12458-2019 ref. 1988	--	Passes the test
5.	Fire safety of cable in vertical & lateral spread of fire test for duct & cable	IS:12459-1988	---	Passes the test
6.	Intumescent fire retardant coating for duct & cable	IS:17044-2018	----	Passes the test

REMARKS: - Above test are given in the test report are confirmed as per IS:10810 (Part 53 & 61) /1984/ IS:12458-2019 Ref-1988/ IS:12459 & IS:17044-2018/IEC331/332, BS476 Part 6 & 7.

1. IS: 3809 - 1979, Temperature heating 1014 degree C, for 120 min
2. EN 13501-1 Fire test to building material - Similar standard > BS 476: Fire tests on building materials and structures
3. BS EN 1366-5 provides critical, life safety, fire-resistant protection for elevator shafts, stairwells, vertical chases, and mechanical enclosures. With BS EN 1366-5, separate building compartments can effectively help limit the spread of fire and smoke.

Tested By

[Signature]

[Signature]
Deputy Director (Technical)
Govt. Quality Marking Centre
For Electrical Goods
NH-IV, ITI Campus, Faridabad