

Government of India
Department of Telecommunication
Telecommunication Engineering Centre
Khurshid Lal Bhawan, New Delhi-110001

No. 5-5/2021-TC/TEC

Dated: 08.01.2024

Notification

Subject: Exemption pertaining to Optical Fibre (Single Mode) and Optical Fibre Cable under MTCTE-reg


A generic exemption from submission of test reports for below mentioned test parameters pertaining to various ERs of Optical Fibre (Single Mode) and Optical Fibre Cable products notified under MTCTE has been extended upto 30.06.2024 or till further orders.

S. No.	Product Name/ Variant	Parameters/Interfaces Name (as per ER)	Standard Name (as per ER)	Remarks
1.	Optical Fibre (Single Mode)	Mechanical Characteristics Proof test for minimum strain level	As per variants of ER	Exempted
		Material Properties- Fiber Materials- The substances of which the fibres are made	As per variants of ER	
		Colour qualification for color fibres- MEK RUB Test (Methyl Ethyl Ketone)	As per variants of ER	
2.	Optical Fibre Cable	Colour qualification for color fibres	As per variants of ER	Exempted
		Lightning Test	FOTP-181, ITU-T K-47	
		DC Resistance	IEEE 1138: 2009	
		Short Circuit Test	IEEE 1138 : 2009/ IEC 60794- 1-2-H1	
		Lightning Arc Test	IEEE 1138 : 2009	
		Flame Spread- Bunched cable	IEC/EN 60332-3-24:2018, Cat C	
		Smoke Test / Smoke Density Test	IEC/EN 61034-2	
		Acid gas (Toxicity) (Test on toxic gases evolved during combustion of materials from cables)	IEC/EN 60754-2	
		Flame retardant	IEC TR62222 IEC 60332-1-2	
		Electrical Characteristics – Power Feeding Wires	IEC 60228, IEC 60502-1, IEC 60227-1, IEC 61156-1 IEC 61196-1-10x BS EN 50525, BS EN 60304	
Transfer impedance and Coupling attenuation	IEC 61156-1			

	Requirements for fire performance of Optical/metallic hybrid cables should meet fire safety regulations	IEC TR 62222	
--	---	--------------	--

2. This letter may be uploaded against the respective parameters/interfaces as mentioned above on the MTCTE Portal.

This issues with the approval of the Competent Authority.


8/11/2024

(Avadhesh Singh)

Director (TC-I)

Email:dirta.tec@gov.in

Copy to (Through email):

1. Advisor & Head, TEC, New Delhi for information please.
2. All DDGs, RTEC
3. AD(IT)/AD(TC), TEC- for uploading on TEC/MTCTE website
4. Office copy