

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

No. 5-3/2021-TC/TEC

Dated: 10.03.2022

**Notification**

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

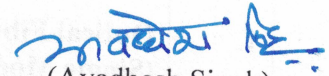
A generic exemption for below mentioned test parameter pertaining to Essential Requirements (ER) of **Optical Fibre (Single Mode)** and **Optical Fibre Cable** products notified under Mandatory Testing and Certification of Telecom Equipment (MTCTE) is issued up to 30.06.2023 or till further orders.

S.No.	Product Name	Parameter Name	Standard Name
1.	<b>Optical Fibre (Single Mode)</b>	Mechanical Characteristics Proof test for minimum strain level	As per variants of ER
		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.	<b>Optical Fibre Cable</b>	Lightning Test	FOTP-181, ITU-T K-47
		Termite and Rodent Test	--
		Shotgun resistance Test	IEC 60794-1-2(E13 B) , IEC60794-4-20
		DC Resistance	IEEE 1138: 2009
		Short Circuit Test	IEEE 1138 : 2009/ IEC 60794- 1-2-H1
		Lightning Arc Test	IEEE 1138 : 2009
		Salt Spray Corrosion Test	IEEE 1138 : 2009
		Flame Spread- Bunched cable	IEC/EN 60332-3-24:2018, Cat C
		Smoke Test	IEC/EN 61034-2

<b>Optical Fibre Cable</b>	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
	Damp Heat Test	IEC 60793-1-50 ITU-T Rec. L.111
	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 of **Optical Fibre (Single Mode)** and **Optical Fibre Cable** as mentioned above on the MTCTE Portal.

This issued with the approval of Sr. DDG, Head of TEC.



(Avadhesh Singh)

Director (TC-I)

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Copy to (Through email):

1. Sr. DDG & Head, TEC, New Delhi for information please.
2. All DDGs, RTEC
3. C-DoT/IT unit for upload on MTCTE/TEC Website
4. Office copy