

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

No. 5-5/2021-TC/TEC

Dated: 03.07.2023

Notification

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

A generic exemption for below mentioned test parameters pertaining to ERs of Optical Fibre (Single Mode) and Optical Fibre Cable products notified under MTCTE has been extended upto **31.12.2023** or till further orders.

S. No.	Product Name/ Variant	Parameters Name (as per ER)	Standard Name (as per ER)
1.	Optical Fibre (Single Mode)	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.	Optical Fibre Cable	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 / 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
		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	IEC TR 62222		

	meet fire safety regulations	
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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 issues with the approval of Advisor & Head, TEC.


(Avadhesh Singh)

Director (TC-I)

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Copy to (Through email):

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