



दूरसंचार विभाग, भारत सरकार

DEPARTMENT OF TELECOMMUNICATIONS, GOVERNMENT OF INDIA

दूरसंचार अभियांत्रिकी केंद्र

TELECOMMUNICATION ENGINEERING CENTRE

CERTIFICATE OF CONFORMITY ASSESSMENT

This is to certify that the product described below conforms to the Essential Requirement issued by TEC under Mandatory Testing and Certification of Telecom Equipment as per Telecommunications (Framework to Notify Standards, Conformity Assessment and Certification) Rules, 2025.

i.	*Certificate No.: 700208119	ii.	Dated: 26-Feb-2026
iii.	Certificate Category: Provisional	iv.	Certificate Type: NEW
v.	<b>APPLICANT:</b> Aksh Optifibre Limited, F-1080,Riico Industrial Area, Phase-III, Bhiwadi-301019, Rajasthan, India	vi.	<b>ORIGINAL EQUIPMENT MANUFACTURER:</b> Aksh Optifibre Limited, F-1080,Riico Industrial Area, Phase-III, Bhiwadi-301019, Rajasthan, India
vii.	<b>PRODUCT NAME:</b> Optical Fibre Cable	viii.	<b>PRODUCT VARIANT:</b> Optical Fibre Cable - Duct
ix.	<b>PREVIOUS CERTIFICATE NO.:</b> NA	x.	<b>PREVIOUS CERTIFICATE ISSUED DATE:</b> NA
xi.	<b>MODEL NO.:</b> AKSH/BSNL/G652D/48F ARM OFC/001	xii.	<b>FAMILY NAME:</b> NA
xiii.	<b>ASSOCIATED MODEL NO.:</b> As given at Table-1 overleaf	xiv.	<b>INTERFACES TESTED:</b> NA
xv.	<b>SOFTWARE VERSION:</b> NA	xvi.	<b>HARDWARE VERSION:</b> NA
xvii.	<b>VALID FROM:</b> 26-Feb-2026	xviii.	<b>VALID UPTO:</b> 04-Oct-2027
xix.	<b>ER NO.:</b> TEC70022401	<p style="text-align: right;"><b>DIRECTOR (TC-1)</b> <b>K L Bhawan,</b> <b>Janpath, New Delhi - 110001</b></p>	
xx.	<b>EMI / EMC CLASS:</b> A		
xxi.	<b>QR CODE:</b> 		

**Note:**

- \*1. This certificate is valid for product(s) manufactured in India only, as per the details at Table-3.
2. This certificate is issued for model/family name indicated at (xi) above and applicable for associated/ family model(s) mentioned at Table-1, overleaf only.
3. Bill of Material covered under this certificate is given at Table-4.
4. Terms & Conditions mentioned at MTCTE portal (<https://www.mtcte.tec.gov.in/>) shall be applicable.
5. This is a certificate of conformity against the parameters of Essential Requirements only prescribed for the product and does not substitute the requirements of NSDTS (National Security Directive on Telecommunication Sector).

Table-1

List of Associated/Family Models	
i.	Nil



Table-2

List of Interfaces Tested



Table-3

List of manufacturing locations (as declared by the applicant) for which this certificate (No. 700208119) is valid:								
S. No.	Product Model number	Contract Manufacturing	Manufacturing Location Address	Contact Person Name (Plant Incharge)	E-mail-ID	Contact number	*Country Of Origin	**Country of Manufacturing
1	AKSH/BSNL/G652D/48F ARM OFC/001	No	Aksh Optifibre Limited F-1080 Phase-III RIICO Industrial Area Bhiwadi-301019 District-Alwar Rajasthan.	Anil Kumar Gupta	anil@akshoptifibre.com	9828385258	India	India

Note: \*1. Country of Origin is as per the criteria defined under Custom Rules.

\*\*2. Country of Manufacturing refers to the place where the Telecom product under certification against product model number given above is manufactured/assembled as complete unit only.

Table-4

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)							
Module Name/Atribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model
Module No.						AKSH/BSNL/G6 52D/48F ARM OFC/001	AKSH/BSNL/G6 52D/48F ARM OFC/001
Primary Coated Optical Fibre						AKSH SMART LWP SM ITU-T Rec. G.652D Nat	Y
P.B.T.P.		NA	NA			Radici Plastics India Private Limited (previously M/s.Ester Industries Ltd., Khatima	Y
F.R.P.						Aksh Optifibre Ltd., Ringus	Y
Thixotropic Jelly						Itco Industries Ltd., Hosur	Y
Impregnated Glass fibre Reinforcement						Mangalchand Tubes Pvt. Ltd.	Y

**Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)**

Module Name/Atrtribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model
H.D.P.E.						Sankhla Vinyl Pvt. Ltd.	Y
ECCS Tape						Polycom Associates	Y
Rip Cord						Mangalchand Tubes Pvt. Ltd.	Y
WB Tape						Sneham International	Y
Water Swellable Yarn						Mangalchand Tubes Pvt. Ltd	Y
Polyester Binder Thread						Mangalchand Tubes Pvt. Ltd	Y
Cable Type						48F SM Armoured OFC	Y
FRP Rod EAA Coated						2.0 +0.1 /-0.05 mm	Y
Tube ID (min)						1.2 mm	Y
Tube OD						1.9 ± 0.1 mm	Y
No. of Fibre / Tube						8	Y
Color of Fibre						Blue,Orange,Gre	Y

**Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)**

Module Name/Atrtribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model
						en, Brown, Slate,White,Red, Natural	
No. of Loose Tube						6	Y
Colour of Loose Tubes						BLue,Orange,Green, Brown,Slate,White	Y
Qty. of Impregnated Glass Roving (min.) kg/km						5.4 kg/km	Y
Steel Tape (ECCS) Overlap						10% minimum	Y
Cable Diameter(mm)						11.5 ± 0.5 mm	Y
Nominal Cable Weigth(kg/km)						125 ± 10% kg/km	Y
Outer Sheath Thickness (min.)						1.8 mm mnimum	Y

\*\*\* End of the certificate\*\*\*

