

CERTIFICATES, APPROVALS AND TEST REPORTS



केन्द्रीय विद्युत अनुसंधान संस्थान
(भारत सरकार की संरक्षित, विद्युत संस्थान)
ये संस्थान श्री रामेन्द्र गोपू महाविद्यालय राहबर रोड से नं. 8066, बंगलूरु - 560 080
CENTRAL POWER RESEARCH INSTITUTE
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BY SPEED POST E-mail: nagesh@cpri.in

CABLES & DIAGNOSTIC DIVISION CABLES LAB

CDD/CAB/2016-17 Date: 26.10.2016

M/s. Gloster Cables Ltd.,
Survey No. 310/E, and 293, NH 44,
Kallakal (VII), Toopran (Mn),
Medak (Distt.), Telangana - 502 336

Ref. Your letter dated 29.08.2016
Sub. Type Test on 1 X 4.0 sq mm 1.1 kV FRLSH PVC Cable

With reference to the above, type test on 1 X 4.0 sq mm 1.1 kV FRLSH PVC Cable as per IS 694 / 2010 (up to amendment No.3) has been completed and our Test report No. CDD-0093 dated 26.10.2016 is enclosed.

In order to prevent tampering of test report, CPRI has introduced hologram on the first page of the test report with effect from 01.10.2007.

Any discrepancy in these test reports may be brought to notice within forty five days from the date of issue of test reports. Please acknowledge the receipt of the test report

Thanking you

Yours faithfully

(KP Meena)
Joint Director

AMIT TEST AND CALIBRATION CENTRE (BIS/NABL ACCREDITED LABORATORY)

19/168, Sarai Rohilla, Old Rohtak Road, Near Shastri Nagar Metro & Usha Mata Mandir, Delhi - 110035,
Tel. 011-23643995, Fax: 011-23643992 (M) 987127340, 9582782444, Email: amitestcc@gmail.com, info@atncc.in

TEST REPORT

Test Certificate No.: ATCC2016072303 Issue Date: 23.07.2016
Issue To: Gloster Cables Limited Job Order No.: ATCC16070211
Survey No. 310/E, NH44, Kallakal (VII), Test to be Conducted: BS EN 50383 (Pt-7)
Toopran (Mn), Medak (Dt), 502336 2005 & IS-694 : 2010

Quantity of Sample : 15 Meters + 5 Meters (Approx)
Sample Description : 1C x 2.5 sq. mm, (50/0.25 mm) Annealed bare flexible Copper Conductor, Class 5, ZHFR
Thermoplastic insulated unsheathed Cable, 1100 Volts
5 Meters annealed bare copper wire size 0.25mm for annealing test before stranding.

Sl.No.	Test Conducted, Specification as per IS EN 50383 (Pt-7) 2005 & IS: 694 : 2010 With Amendments No. 1, 2 & 3	Specified value	Test Results	Cross Referred To & Test Method of	Conformity
1	Conductor Construction	2.5 Sq.mm. Class 1/ Class 2 & Class 5	2.5 Sq.mm. Class 5	IS 8130	yes
2	Annealing Test	13.5	22.4		yes
3	Insulation				
3.1	Material	HFI-TP	HFI-TP		yes
3.2	Application	The insulation shall be applied by an extrusion	Extrusion	Visual examination and Manual Test	yes
3.3	Thickness (Nom.) (Min)	0.7mm / 0.53mm	0.78/0.69	IS 694	yes
3.4	Corrosive and acid gas	< 0.5 %	0.14	IEC 60754-1	yes
4	Core Identification				
4.1	Colour	The cores of all cables shall be identified by colour. Each core shall be identified by its colour as indicated Table 3 to Table 5. Other colours may be used by agreement with the manufacturer in this case the requirements in 12.2 do not apply	Red	Visual examination	yes
4.2	Assembly and core colour sequence	Visual examination	N.A.	Visual examination	yes
5	Mechanical properties before Ageing (For Insulation)				
5.1	Tensile strength, (N/mm ²)	7.5 (Min.)	14.05	IS 10810 (Pt-7)	yes
5.2	Elongation at break (%)	150 (Min.)	205	IS 10810 (Pt-7)	yes

MANOHAR SINGH JADON
23/07/2016
CEO

SADHANA JADON
(Quality Control Engineer)

CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

Test Report Number : CDD - 0200 Dated: 04.04.2017

Name & Address of the Customer : M/s. Gloster Cables Ltd.,
S.No.310/E, NH 44, Kallakal(V), Toopran (Mn)
Medak District, Telangana-502336.

Name & Address of the Manufacturer : M/s. Gloster Cables Ltd.,
S.No.310/E, NH 44, Kallakal(V), Toopran (Mn)
Medak District, Telangana-502336.

Particulars of sample tested : 3 X 400 mm² Al Conductor, XLPE Insulated, Galvanized Steel Formed Wire Armoured, PVC Sheathed, 0.35/11 kV Cable

Condition of the sample on receipt : New
Type : AXXYEY
Description of test sample : Conductor Material : Aluminium
No of cores : Three
Size : 400 mm²
Insulation : XLPE
Armour : Galvanized Steel Formed Wire
Outer sheath : PVC
Voltage Rating : 0.35/11 kV
Embossing : GLOSTER XLPE 0.35/11KV(E) 400 SQ MM
ELECTRIC CABLE STZ 2016 IS: 7098 PART II ISI CML -0096536475

Serial Number : Drum No. 31-16-0005/C
Number of Samples tested : One
Date(s) of Test(s) : 22.02.2017 to 27.03.2017
CPRI Sample Code no(s) : CDD/CAB1650276

Particulars of test conducted : Type Test
Test in accordance with : As per IS 7098 Part II- 2011, Amt - 2015
Standard /Specification : Not Applicable
Sampling plan : NI
Customer's requirement : NI
Deviation if any : NI
Name of the witnessing persons : None
Customer's representatives : None
Other than customer's representatives : None
Test subcontracted with address of the laboratory : NI
Documents constituting this report (In words) : Thirteen
Number of sheets : Twelve (Three Pages)
Number of oscillogram/s : NI
Number of graphs : NI
Number of photos : NI
Number of test circuit diagrams : NI
Number of drawings : NI

(Thirumalaiah)
TEST ENGINEER

(Dr. B. Nagashwar Rao)
ADDITIONAL DIRECTOR



CENTRAL POWER RESEARCH INSTITUTE

TEST REPORT

Test Report Number : CDD-0142 Dated: 15.12.2016

Name & Address of the Customer : M/s. Gloster Cables Ltd.,
S.No.310/E, NH 44, Kallakal(V), Toopran (Mn)
Medak District, Telangana-502336.

Name & Address of the Manufacturer : M/s. Gloster Cables Ltd.,
S.No.310/E, NH 44, Kallakal(V), Toopran (Mn)
Medak District, Telangana-502336.

Particulars of sample tested : 3 X 120 mm² AXXYC phase conductors + 1 X 85 mm² AAC
XLPE insulated messenger 0.35/11(E)
Aerial bunched Cable

Condition of the sample on receipt : New
Type : 11 kV (E) Aerial bunched XLPE cable
Description of Test Sample : 3 X 120 sq mm Aluminium conductor, XLPE insulated PVC Sheathed main conductor + 1 X 85 sq mm XLPE insulated Aluminium Alloy Messenger Conductor
0.35/11 kV (E) Aerial Bunched Cable
Embossing: GLOSTER XLPE 0.35/11 kV (E) 120 SQ MM CABLE STZ 2016

Serial Number : NI
Number of Samples tested : 24
Date(s) of Test(s) : 24.10.2016 to 10.12.2016
CPRI Sample Code no(s) : DCCDCAB1650194

Particulars of test conducted : Type Test
Test in accordance with : In General Accordance with IS 7098 (Part-II)-2011, Amt-2015 & Messenger conductor as per IS 398 Part IV

Sampling plan : Not Applicable
Customer's requirement : NI
Deviation if any : NI
Name of the witnessing persons : None
Customer's representatives : None
Other than customer's representatives : None
Test subcontracted with address of the laboratory : NI

Documents constituting this report (In words) : Number of sheets : Twelve
Number of oscillogram/s : Twelve (Three Pages)
Number of graphs : NI
Number of photos : NI
Number of test circuit diagrams : NI
Number of drawings : NI

(R. Anjantha)
TEST ENGINEER

(KP Meena)
Joint Director

