



Report No: RP-1718-024036/ TW-1718-02228 / 25259/48-002

Dt: 21-08-2017

To
Chief General Manager(P&MM),
Southern Power Distribution Company of Telangana Ltd.,
IVth floor, Mint Compound,
Hyderabad – 500 004. Telangana

Sub: Pre Dispatch inspection of 3.5CX35Sq.mm A2XFY Aluminium Power Cable against Po.No: CGM/P&MM/E-23/STN-245/PM-1247/17 Dt:20.07.2017

Dear Sir, With reference to captioned subject, please find attached the inspection report. Summary of the same is given below.

1.	Inspection Authorization letter no. from Customer.	CGM/P&MM/E-12/STN-245/PM-1247/D.No.4160/17 Dt. 16/08/2017
2.	Place of Inspection	M/s. FINECAB Wires & Cables Private Limited, Plot no:6 & 20,Phase-IV,IDA, Patancheru, Medak District., Telangana.-502319
3.	Contractor name	Nil
4.	Date of Inspection	20-08-2017 to 21-08-2017 (2 days)
5.	Customer PO No	CGM/P&MM/E-23/STN-245/PM-1247/17 Dt:20-07-2017
6.	Material offered with serial no. if applicable	8.936 kms of 3.5C X 35 Sq.mm, A2XFY Aluminium Power Cable packed in 18 no's of wooden drums. Sr. nos. of Drums EX/0817/081,082,084 to 091, 093 to EX/0817/100 (As per offer letter enclosed.)
7.	Acceptable Quantity (subject to acceptance of observations, if applicable)	8.928 kms of 3.5C X 35 Sq.mm, A2XFY Aluminium Power Cable packed in 18 no's of wooden drums. Sr. nos. of Drums EX/0817/081,082,084 to 091, 093 to EX/0817/100 (As per Packing List enclosed.) (8meters cable consumed for acceptance test from sampled drums)
8.	Conclusion	The Results of the Acceptance test carried out on the sampled cables from offered lots are within the permissible limits as per the requirement of relevant IS and GTP of TSSPDCL except observations mentioned in point no:14 of inspection report. Hence Firm has been advised to contact The Chief General Manager (P&MM), TSSPDCL-Hyderabad for further Dispatch instructions.

This is for your information and necessary action please.


M.Rajesh
Inspecting Engineer
ERDA, Vadodara

CC: 1. M/s. FINECAB Wires & Cables Private Limited- Patancheru
2. M/s ERDA, Vadodara

Note:

1. The Inspection Results relate exclusively to the sample(s) inspected.
2. This report cannot be reproduced in part under any circumstances.
3. Publication of this report requires prior permission in writing from Director, ERDA.
4. Only the test/s asked by the customer has been witnessed.
5. Any queries regarding the inspection should be informed to ERDA, Vadodara within 30 days from the date of report or before the issue of dispatch instruction whichever is earlier necessarily.



Electrical Research and Development Association

(Accredited by the National Accreditation Board for Testing and Calibration Laboratories, Govt. of India)

Registered Office & ERDA (West) Laboratory
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Web: www.erda.org

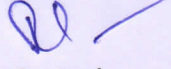
INSPECTION REPORT

Report No: RP-1718-024036/ TW-1718-02228 / 25259/48-002 t: 21-08-2017

1.	Name of Inspecting Officer	M. Rajesh, Inspecting Engineer, ERDA, Vadodara
2.	Name of Customer	The Chief General Manager(P&MM), Southern Power Distribution of Telangana Ltd., Hyderabad
3.	Inspection Authorization letter no. from Customer.	CGM/P&MM/E-12/STN-245/PM-1247/D.No.4160/17 Dt. 16/08/2017
4.	Place of Inspection (name and address)	M/s. FINECAB Wires & Cables Private Limited, Plot no:6 & 20,Phase-IV,IDA, Patancheru, Medak District., Telangana.-502319
5.	Date of Inspection	20-08-2017 to 21-08-2017 (2 days)
6.	Customer PO No	CGM/P&MM/E-23/STN-245/PM-1247/17 Dt:20-07-2017
7.	Contractor PO No	NIL
8.	List of References used for Inspection	1.IS:7098 Part-1 (1988) and latest amendment:2008 And IS 5831:1984, IS 8130, IS 10810 with latest amendments 2.PO/GTP of TSSPDCL.
9.	Material offered with serial no. if applicable	8.936 kms of 3.5CX35Sq.mm, A2XFY Aluminium Power Cable packed in 18 no's of wooden drums. Sr. nos. of Drums EX/0817/081,082,084 to 091, 093 to EX/0817/100(As per offer letter enclosed.)
10.	Sampling Details	i. Reference used for Sampling: IS-7098-Part-1 ii. Quantity of samples: 2 drums are Randomly selected for acceptance test. iii. Serial Nos. of sampled Drums: For acceptance Test:EX/0817/085 & 099
11.	Acceptable Quantity (Subject to acceptance of observations)	8.928 kms of 3.5CX35Sq.mm, A2XFY Copper control cables packed in 18 no's of wooden drums. Sr. nos. of Drums EX/0817/081,082,084 to 091, 093 to EX/0817/100(As per Packing List enclosed.) (Sample 8 meters consumed for acceptance test from offered quantity)
12.	Documents attached with Inspection report	1. Site offer letter 2. Raw Material Test Certificates 3. Verified Calibration status of the test equipment's used in testing. 4. Report of Acceptance test 5. Reviewed Routine test report 6. Random Inspection photographs 7. Purchase order/GTP



13.	Sealing	All Inspected Drums has been affixed with a paper sticker stamped with ERDA-48 & signature of inspector as mark of identification at both end of the cables.
14.	observations from Inspector	1. Though above TSSPDCL authorization call letter it was mentioned 9 Kms to be offered for inspection. But Firm has offered some lesser quantity of 8.936 kms of 3.5CX35Sq.mm, A2XFY Aluminium Power Cable
15	Clarifications from manufacturer regarding observations	1. We made quantity as per TSSPDCL requirement.
16	Conclusion	The Results of the Acceptance test carried out on the sampled cables from offered lots are within the permissible limits as per the requirement of relevant IS and GTP of TSSPDCL except observations mentioned in point no: 14 of inspection report. Hence Firm has been advised to contact The Chief General Manager (P&MM), TSSPDCL-Hyderabad for further Dispatch instructions.


M. Rajesh
Inspecting Engineer
ERDA, Vadodara

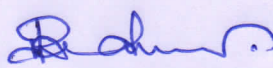


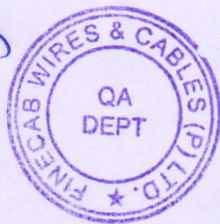
"M/s. FINECAB Wires & Cables Private Limited- Patancheru "certify that,

1. This inspection has been done in our presence and we accept the complete report.
2. We will dispatch the material as per PO to consignee.
3. We will be responsible for any short/defective supply
4. Sealing provided by inspecting officer is legible to us and we will be responsible for

Its intactness. Signature of Authorized representative of Firm with stamp

Dt: 21-08-2017





FINECAB**FINECAB WIRES&CABLES PRIVATE LIMITED**

(AN ISO 9001 - 2008 COMPANY)

REGD OFFICE : 2-3-465/7 MINISTER ROAD, SECUNDERABAD - 500 003

Works : Plot No. 6 & 20 Phase IV,IDA,Patancheru - 502 319,(Sangareddy Dist.) Telangana

TEL:27818908, 27816588, FAX (040) 27721916

EMAIL : finecabwires@gmail.com

PACKING LIST

DATE: 20.08.2017

CUSTOMER

: M/s. SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LTD.

P.O. NO.

: CGM/P&MM/E-23/STN-245/PM-1247/17 Date: 20.07.2017,

Amdt. No. CGM/P&MM/E-23/STN-245/PM-1247/D.No. 3479/17 Date: 24.07.2017

DESCRIPTION

: ISI marked LT 1100 volts, 3.5X35Sq.mm stranded, compact aluminium conductor, with XLPE insulated, PVC innersheathed, galvanised steel strip armoured and overall PVC sheathed Black colour cable conforming to IS: 7098(Part-1)/88 with latest amendments suitable for 1.1 KV earthed system with ISI marked. 3.5CX35Sq.mm LT XLPE Cable

Sl. No.	SIZE & TYPE OF CABLE	Drum NO.	Qty. in Mtrs.	*LCI Mtrs	FINAL LENGTH(Mtrs)
1	3.5C X 35 SQ.MM A2XFY	EX/0817/081	494		494
2	3.5C X 35 SQ.MM A2XFY	EX/0817/082	494		494
3	3.5C X 35 SQ.MM A2XFY	EX/0817/084	495		495
4	3.5C X 35 SQ.MM A2XFY	EX/0817/085	495	4	491
5	3.5C X 35 SQ.MM A2XFY	EX/0817/086	495		495
6	3.5C X 35 SQ.MM A2XFY	EX/0817/087	495		495
7	3.5C X 35 SQ.MM A2XFY	EX/0817/088	495		495
8	3.5C X 35 SQ.MM A2XFY	EX/0817/089	495		495
9	3.5C X 35 SQ.MM A2XFY	EX/0817/090	490		490
10	3.5C X 35 SQ.MM A2XFY	EX/0817/091	490		490
11	3.5C X 35 SQ.MM A2XFY	EX/0817/093	490		490
12	3.5C X 35 SQ.MM A2XFY	EX/0817/094	490		490
13	3.5C X 35 SQ.MM A2XFY	EX/0817/095	518		518
14	3.5C X 35 SQ.MM A2XFY	EX/0817/096	500		500
15	3.5C X 35 SQ.MM A2XFY	EX/0817/097	500		500
16	3.5C X 35 SQ.MM A2XFY	EX/0817/098	500		500
17	3.5C X 35 SQ.MM A2XFY	EX/0817/099	500	4	496
18	3.5C X 35 SQ.MM A2XFY	EX/0817/100	500		500
		TOTAL	8936	8	8928

* Length Consumed for Inspection

Verified By

M.Rajesh
Inspecting Engineer
ERDA,Vadodara

For FINECAB Wires & Cables (P.) Ltd.,



Manager Q.A.

ACCEPTANCE TEST CERTIFICATE

Customer Name : M/s. TSSPDCL
P.O.No & Date : CGM/P&MM/E-23/STN-245/PM-1247/17,Dt:20.07.2017
References specification : IS 7098 (Part I) 1988
Size : 3.5C X35 Sq.mm, A2XFY Aluminium Power Cable
Date of Inspection : 20.08.2017 to 21.08.2017
Drum No : EX/0817/85
Length : 495(491+4)

Sr. No	Colour of core	C.R @ 20°C Max.	Thickness Nom./Min.mm	TS N/mm ²	Elongation %	Insulation Resistance (Volume Resistivity)		Hot set Test		H.V AT R.T
	Specified Value	0.868(M) /1.91(N) Ω/Km	Ins : 0.90/0.71(M) 0.70/0.53(N) I/s : 0.30 Min. O/S : 1.40 Min	Min.: 12.5	Min.: 200 for XLPE Ins,150 for PVC O/s	At 27°C Min : 1X10 ¹⁴ Ω-Cm	At 90°C Min : 1X10 ¹² Ω-Cm	Elongation under load Max:175%	Permanent Set Max:15%	3.0 KV AC (rms) for 5 minutes
1	Red	0.81	0.98/0.95	16.45	330	12.4x10 ¹⁵	239x10 ¹³	51.2	1.15	Withstood
2	Yellow	0.83	1.01/0.98	22.1	400	3.5x10 ¹⁵	56.1x10 ¹³	52.4	1.5	
3	Blue	0.83	0.99/0.92	18.97	300	5.6x10 ¹⁵	3.7x10 ¹³	53.7	1.4	
4	Black	1.82	0.85/0.82	23.89	380	16.7x10 ¹⁵	132.3x10 ¹³	36.4	1.6	
5	Inner Sheath	NA	0.72	NA	NA	NA	NA	NA	NA	
6	Outer Sheath	NA	1.74	17.2	210	NA	NA	NA	NA	
	Remarks	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass

TESTED BY

MANAGER (QA)



WITNESSED BY

M.Rajesh
Inspecting Engineer
ERDA, Vadodara



ACCEPTANCE TEST CERTIFICATE

Customer Name : M/s. TSPDCL
P.O.No & Date : CGM/P&MM/E-23/STN-245/PM-1247/17,Dt:20.07.2017
References specification : IS 7098 (Part I) 1988
Size : 3.5C X35 Sq.mm, A2XFY Aluminium Power Cable
Date of Inspection : 20.08.2017 to 21.08.2017
Drum No : EX/0817/99
Length: 500 (496+4)

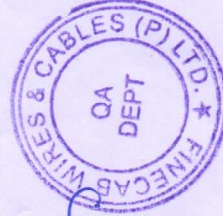
Sr. No	Colour of core	C.R @ 20°C Max.	Thickness Nom./Min.mm	TS N/mm ²	Elongation %	Insulation Resistance (Volume Resistivity)	Hot set Test	H.V AT R.T
	Specified Value	0.868(M) /1.91(N) Ω/Km	Ins : 0.90/0.71(M) 0.70/0.53(N) I/s : 0.30 Min. O/S : 1.40 Min	Min.: 12.5	Min.: 200 for XLPE Ins,150 for PVC O/s	At 27°C Min : 1X10 ¹⁴ Ω-Cm At 90°C Min : 1X10 ¹² Ω-Cm	Elongation under load Max:175% Permanent Set Max:15%	3.0 KV AC (rms) for 5 minutes
1	Red	0.84	0.97/0.95	18.6	414	9.5x10 ¹⁵	52.8	1.7
2	Yellow	0.84	0.99/0.96	21.5	378	10.1x10 ¹⁵	47.0	1.3
3	Blue	0.84	0.98/0.92	15.58	325	10.6x10 ¹⁵	58.8	1.0
4	Black	1.88	0.91/0.86	19.83	400	12.6x10 ¹⁵	40.6	2.2
5	Inner Sheath	NA	0.87	NA	NA	NA	NA	NA
6	Outer Sheath	NA	1.92	16.9	200	NA	NA	NA
	Remarks	Pass	Pass	Pass	Pass	Pass	Pass	Pass

Withstood

TESTED BY

(Signature)

MANAGER (QA)



M.Rajesh
Inspecting Engineer
ERDA, Vadodara



FINECAB**FINECAB WIRES&CABLES PRIVATE LIMITED****(AN ISO 9001 - 2008 COMPANY)**

REGD OFFICE : 2-3-465/7 MINISTER ROAD, SECUNDERABAD - 500 003

Works : Plot No. 6 & 20 Phase IV, IDA, Patancheru - 502 319, (Sangareddy Dist.) Telangana

TEL: 27818908, 27816588, FAX (040) 27721916

EMAIL : finecabwires@gmail.com

ROUTINE TEST REPORT

DATE: 13.08.2017

CUSTOMER

: M/s. SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LTD.

P.O. NO.

: CGM/P&MM/E-23/STN-245/PM-1247/17 Date: 20.07.2017,

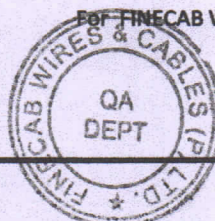
Amdt. No. CGM/P&MM/E-23/STN-245/PM-1247/D.No. 3479/17 Date: 24.07.2017

DESCRIPTION

: ISI marked LT 1100 volts, 3.5X35Sq.mm stranded, compact aluminium conductor, with XLPE insulated, PVC innersheathed, galvanised steel strip armoured and overall PVC sheathed Black colour cable conforming to IS: 7098(Part-1)/88 with latest amendments suitable for 1.1 KV earthed system with ISI marked. 3.5CX35Sq.mm LT XLPE Cable

Sl. No.	SIZE & TYPE OF CABLE	Drum NO.	Qty. In Mtrs.	Conductor Resistance @20 deg. C Max 0.868(M), 1.91(N) Ohm/km	High Voltage Test 3KVAC for 5 minutes
1	3.5C X 35 SQ.MM A2XFY	EX/0817/081	494	R-0.857,Y-0.852,BL-0.855,BK-1.79	WITH STOOD
2	3.5C X 35 SQ.MM A2XFY	EX/0817/082	494	R-0.856,Y-0.862,BL-0.857,BK-1.82	WITH STOOD
3	3.5C X 35 SQ.MM A2XFY	EX/0817/084	495	R-0.859,Y-0.855,BL-0.854,BK-1.82	WITH STOOD
4	3.5C X 35 SQ.MM A2XFY	EX/0817/085	495	R-0.853,Y-0.860,BL-0.856,BK-1.79	WITH STOOD
5	3.5C X 35 SQ.MM A2XFY	EX/0817/086	495	R-0.858,Y-0.854,BL-0.856,BK-1.81	WITH STOOD
6	3.5C X 35 SQ.MM A2XFY	EX/0817/087	495	R-0.860,Y-0.857,BL-0.854,BK-1.82	WITH STOOD
7	3.5C X 35 SQ.MM A2XFY	EX/0817/088	495	R-0.855,Y-0.854,BL-0.856,BK-1.77	WITH STOOD
8	3.5C X 35 SQ.MM A2XFY	EX/0817/089	495	R-0.855,Y-0.856,BL-0.857,BK-1.82	WITH STOOD
9	3.5C X 35 SQ.MM A2XFY	EX/0817/090	490	R-0.854,Y-0.856,BL-0.855,BK-1.81	WITH STOOD
10	3.5C X 35 SQ.MM A2XFY	EX/0817/091	490	R-0.858,Y-0.856,BL-0.854,BK-1.78	WITH STOOD
11	3.5C X 35 SQ.MM A2XFY	EX/0817/093	490	R-0.859,Y-0.856,BL-0.857,BK-1.77	WITH STOOD
12	3.5C X 35 SQ.MM A2XFY	EX/0817/094	490	R-0.855,Y-0.860,BL-0.859,BK-1.78	WITH STOOD
13	3.5C X 35 SQ.MM A2XFY	EX/0817/095	518	R-0.858,Y-0.856,BL-0.857,BK-1.78	WITH STOOD
14	3.5C X 35 SQ.MM A2XFY	EX/0817/096	500	R-0.855,Y-0.857,BL-0.858,BK-1.81	WITH STOOD
15	3.5C X 35 SQ.MM A2XFY	EX/0817/097	500	R-0.856,Y-0.858,BL-0.857,BK-1.79	WITH STOOD
16	3.5C X 35 SQ.MM A2XFY	EX/0817/098	500	R-0.857,Y-0.856,BL-0.854,BK-1.77	WITH STOOD
17	3.5C X 35 SQ.MM A2XFY	EX/0817/099	500	R-0.855,Y-0.856,BL-0.858,BK-1.79	WITH STOOD
18	3.5C X 35 SQ.MM A2XFY	EX/0817/100	500	R-0.856,Y-0.854,BL-0.858,BK-1.82	WITH STOOD
		TOTAL	8936		

For FINECAB Wires & Cables (P.) Ltd.,



Manager Q.A.

verified
RL