

HEAT SHRINKABLE CABLE ACCESSORIES



About Gala

- Established in 1979.
- ISO 9001, 14001 & 45001 Certified.
- Exporting to more than 108 countries.
- Only manufacturer of Heat Shrinkable Tubes in India.
- 5 Manufacturing locations.

The Product

GALA offers unsurpassed technical superiority for perfect termination & jointing of most modern PVC/PILC/XLPE/EPR low & medium range power cable up to 66kV class. Utilizing state-of the art polymer manufacturing technology **GALA** range of power cable accessories provide excellent protection against tracking, corona discharge (electrical stress) & dielectric stress. **GALA** kits exhibits the ability to effectively function under the most stringent operating conditions for at least the life of the cable on which they are installed. Systems not only offer a technically better solution, but are designed to ensure that they are environment & user friendly.

Salient Features

- Fits a wide dimensional range.
- Accommodation of tolerances, different conductor cross section & cable constructions.
- Repeatable results.
- No shelf life limitations up to or below 50 deg. C.
- Excellent weather & UV resistance.
- Each kit contains easy to follow instructions with well explained visual & graphics for step wise installation techniques.
- Simple and fast installation.
- Pre-designed components for easy & reliable installation.
- Exceptional Insulation properties.
- High tracking resistance in harsh environment.



The Design Standard

- CENELEC HD 629.1
- IEEE 48 & 404
- IEC 60502, 60060, 60230
- BS : 6480
- SEN 24 1434
- EDF HN 33-E-01
- ESI 09-11, 09-13
- C-81
- IS : 13573

Certificates



ISO 9001:2015



ISO 14001:20015



ISO 45001:2018



Type Test Report

Factory Overview



In-house Lab



HEAT SHRINK JOINTS & TERMINATIONS 1.1 KV TO 36 KV

Straight Through Joint for 1.1 kV



Outdoor Terminations for 11 kV



Straight Through Joint for 36 kV



Outdoor Terminations for 36 kV



Other Products



Medium & Heavy Wall Tubes,
Anti-tracking Tubes

Screened Separable Connectors

End Caps

LV Breakouts

Overhead Line Cover

Anti-tracking
Breakout

Right Angle & Straight Boots

Rain Sheds

Bus Bar Tubes

Guaranteed Technical Particulars in compliance with IEC 60502-4 & CENELEC HD 629.1

Test Sequence	Parameter For Evaluation	Test Voltage Highest Voltage U _{max} (KV)			Result
		12	24	36	
DC High Voltage Test (Dry)	15 min.	38	76	114	No breakdown & no flashover
AC High Voltage Test (Dry)	5 min.	29	57	86	No breakdown & no flashover
AC High Voltage Test (Wet) (Only for OD Terminations)	1min.	25.4	51	76	No breakdown & no flashover
Partial Discharge Test	-	11	22	33	≤ 5 pC
Insulation Resistance (Before Ingress Test)	1 min. 500 V Dc	-	-	-	>10 ⁹ Ω
Ingress Test (For Straight Through Joints)	-	-	-	-	PASS (No visual damage observed)
Insulation Resistance After Ingress Test (Immersion)	1 min. 500 V Dc	-	-	-	>10 ⁹ Ω
Impulse Withstand Test at Elevated Temperature	10 Positive & 10 Negative Conductor temperature 95 to 100°C	95	125	170	No breakdown & no flashover
Heating Cycle Test in air	3 cycles 5 hrs heating & 3 hrs cooling Conductor temperature 95 to 100°C	10 AC	30 AC	45 AC	No breakdown & no flashover
Partial Discharge Test at Elevated Temperature	-	11	22	33	≤ 5 pC
Partial Discharge Test at ambient Temperature	-	11	22	33	≤ 5 pC
Heating Cycle Test in Air (for Indoor & Outdoor Termination)	60 cycles 5 hrs heating & 3 hrs cooling Conductor temperature 95 to 100°C	10 AC	30 AC	45 AC	No breakdown & no flashover
Heating Cycle Test in Water (for Straight Through Joints)	60 cycles, 8 Hour Cycle, 5 hrs. heating & 3 hrs. cooling Conductor temperature 95 to 100°C	10 AC	30 AC	45 AC	No breakdown & no flashover
Immersion Test (for Outdoor Termination)	10 cycles, 5 hr heating & 3 hr cooling Conductor temperature 95 to 100°C	-	-	-	No breakdown & no flashover
Partial Discharge Test at Elevated Temperature	-	11	22	33	≤ 5 pC
Partial Discharge Test at ambient Temperature	-	11	22	33	≤ 5 pC
Impulse Withstand Test at Ambient Temperature	10 Positive & 10 Negative	95 Peak	125 Peak	170 Peak	No breakdown & no flashover
AC High Voltage Test (Dry)	15 min.	18	30	45	No breakdown & no flashover
Examination	-	-	-	-	PASS (No Cracking in the filling, no moisture path across primary seal, or Corrosion and/or Tracking)
DC High Voltage Test (Dry)	15 min.	38	76	114	No breakdown & no flashover
AC High Voltage Test (Dry)	5 min.	29	57	86	No breakdown & no flashover
Thermal Shock - Circuit Test	Two Short-circuits to raise conductors to 110°C of the cables	-	-	-	No visible damage
Impulse Withstand Test at Ambient Temperature	10 Positive & 10 Negative	95 Peak	125 Peak	170 Peak	No breakdown & no flashover
AC High Voltage Test (Dry)	15 min.	18	30	45	No breakdown & no flashover
Examination	-	-	-	-	PASS (No cracking in the filling, no moisture path across primary seal, or Corrosion and/or Tracking)
Humidity Test for Indoor Terminations	Water conductivity 70±0.1 mS/m 300 hour spray	8 AC	16 AC	24 AC	PASS (No breakdown & no flashover, no Tracking, Erosion & Mechanical damage after test)
Salt Fog Test for Outdoor Terminations	Salt spray for 1000 hours (1.25 x 30)	7.94	15.87	23.72	PASS (No breakdown & no flashover, no Tracking, Erosion & Mechanical damage after test)



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