

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

Manufacturer's name and country		Gala Thermo Shrink PVT. LTD. / India															
Manufacturer's type and identification		Single Core				Three C				G: GALA X:XLPE S:Single Core E:Indoor O:Outdoor							
		Indoor		Outdoor		Indoor		Outdoor									
		GXES		GXOS		GXE		GXO									
Material		Non Tracking Insulating Polymer															
Heat Shrinkable		Yes															
Method of connecting cable core to sealing end terminal		By Crimping															
Color		Red															
Total weight of Termination		1 Kg															
Creepage Distance <i>possible to modify according to project specifications & buyer request.</i>		Single Core / Min								Three Core / Min							
		7.2/mm		17.5/mm		24/mm		36/mm		7.2/mm		17.5/mm		24/mm		36/mm	
		I	O	I	O	I	O	I	O	I	O	I	O	I	O	I	O
Shadow Distance		300	385	370	540	480	685	645	900	300	495	350	740	495	935	745	1100
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 Impact Test)	1 min. 500 V Dc	-		-		-		>10 ⁵ Ω									
Impact Test (For Straight Through Joints)	-	-		-		-		PASS (No visual damage observed)									
Insulation Resistance After Impact Test (Immersed)	1 min. 500 V Dc	-		-		-		>10 ⁵ 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	16 AC		30 AC		45 AC		No breakdown & no flashover									
Partial Discharge Test at Elevated Temperature	Conductor temperature 95 to 100°C	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	16 AC		30 AC		45 AC		No breakdown & no flashover									
Heating Cycle Test in Water (for Straight Through Joint)	63 cycles, 8 Hour Cycle, 5 hrs. heating & 3 hrs. cooling	16 AC		30 AC		45 AC		No breakdown & no flashover									
Immersion Test (for Outdoor Termination)	10 cycles, 5 hrs heating & 3 hrs cooling	-		-		-		No breakdown & no flashover									
Partial Discharge Test at Elevated Temperature	Conductor temperature 95 to 100°C	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.	16		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 Hight Voltage Test (Dry)	5 min.	29		57		86		No breakdown & no flashover									
Thermal Short- Circuit Test	Two Short-circuits to raise conductors to Θ sc 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.	16		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 Uo)	7.94		15.87		23.75		PASS (No breakdown & no flashover, no Tracking, Erosion & Mechanical damage after test)									