

The World's Highest-Performance Electrical Cable to Support Power Demand

Registration No.	Number 00177		
Registration Date	September 2, 2014	Registration Category	Category 1

Name (Model, etc.)	275kV 2500mm ² insulated strand conductor pipe type oil filled cable
Location	Koto City, Tokyo Metropolis
	Fujikura Ltd.
Owner (Custodian)	Fujikura Ltd.
Manufacturer (Company)	Fujikura Ltd.
Year Manufactured	1983
Year first appeared	1980
Reason For Selection	Pipe oil filled (POF) cable is cable that has greater transmission capacity due to the forced cooling of the insulation oil inside the pipe. This was applied to the Chita Thermal Power Station line, a 275kV underground power transmission line belonging to Chubu Electric Power Co., Inc. With a conductor size of 2,500mm ² , it is world's first application of wire-insulated conductor to reduce AC conductor resistance.
Registration Standard	1 - B(Show a uniquely Japanese scientific or technological development from an international perspective.)

Open/Closed to Public	Closed to Public
Photo	
Other useful information	