

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

Registration No.	Number 00181		
Registration Date	September 2, 2014	Registration Category	Category 1

Name (Model, etc.)	500kV 1 x 2500mm ² polypropylene laminated paper insulated oil filled cable
Location	Ichihara City, Chiba
	Furukawa Electric Co., Ltd.
Owner (Custodian)	Furukawa Electric Co., Ltd.
Manufacturer (Company)	Furukawa Electric Co., Ltd.
Year Manufactured	1987
Year first appeared	1987
Reason For Selection	This was the world's first low-dielectric-constant polypropylene laminated paper insulated cable applied to a 500kV long distance cable line. Issues with AC transmission include reduced transmission capacity due to dielectric loss and increased reactive energy due to electrostatic capacity. This cable was selected because these issues become more apparent the higher the voltage and the longer the distance.
Registration Standard	1 - A(Show an important aspect or stage of the development of science and technology.)

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