


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

Registration No.	Number 00178		
Registration Date	September 2, 2014	Registration Category	Category 1

Name (Model, etc.)	DC±500kV 1 x 3000mm <sup>2</sup> optical fibre integrated, polypropylene laminated paper insulated oil-filled submarine cable
Location	Ichihara City, Chiba
	Furukawa Electric Co., Ltd.
Owner (Custodian)	Furukawa Electric Co., Ltd.
Manufacturer (Company)	Furukawa Electric Co., Ltd.
Year Manufactured	1998
Year first appeared	1998
Reason For Selection	This cable was applied to the interconnection line linking the Kansai Electric Power Co., Inc. area with the Shikoku Electric Power Co., Inc. area, which has the world's highest design voltage and transmission capacity at DC±500kV/2,800MW. The conductor is huge at 3,000mm <sup>2</sup> and it is the first time a polypropylene laminated paper with superior insulation properties has been used in a DC cable, reducing the thickness of the insulation in order to make cable diameter smaller.
Registration Standard	1 - B(Show a uniquely Japanese scientific or technological development from an international perspective.)

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Other useful information	