

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

Registration No.	Number 000176		
Registration Date	September 2, 2014	Registration Category	Category 1

Name (Model, etc.)	66kV OFZN 675mm ² Cable (TEPCO Higashi-Ogu Substation)
Location	Osaka City, Osaka
	Sumitomo Electric Industries, Ltd., Osaka Works
Owner (Custodian)	Sumitomo Electric Industries, Ltd.
Manufacturer (Company)	Sumitomo Electric Industries, Ltd.
Year Manufactured	1930
Year first appeared	
Reason For Selection	Japan's first 66kV OF cable (paper insulated oil-filled power cable). Used in 1930 for a 1,710m power transmission line between the (then) Nihon Denryoku Tokyo Keihoku and Ogu Substations. Many improvements were made to OF cable and it is still used for power transmission due to its high reliability, along with the later-developed CV cable (cross linked polyethylene insulated polyvinyl chloride sheathed cable).
Registration Standard	1 - A(Show an important aspect or stage of the development of science and technology.)

Open/Closed to Public	Open to Public
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Photo	 The image shows a cross-section of a 66kV OFZN 675mm² cable. The cable is encased in a clear plastic protective sleeve. A label on the sleeve reads '60KV 1x675mm² OFZN' and '現存最古のOFケーブル' (The oldest existing OF cable). Below this, it says '東京電力(東尾久変電所)' (Tokyo Electric Power Company (Higashi-Ogu Substation)) and '昭和四年発注' (Ordered in Showa 4th year, 1929). At the bottom, it says '住友電気工業株式会社' (Sumitomo Electric Industries, Ltd.).
Other useful information	