


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

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| Registration No. | Number 00175 | | |
| Registration Date | September 2, 2014 | Registration Category | Category 1 |
| Name (Model, etc.) | Extrusion Molded Joints (EMJ) for 500kV CV Cable | | |
| Location | Yokohama City, Kanagawa | | |
| | Tokyo Electric Power Co., Inc. | | |
| Owner (Custodian) | Tokyo Electric Power Co., Inc. | | |
| Manufacturer (Company) | Furukawa Electric Co., Ltd. | | |
| Year Manufactured | 1996 | | |
| Year first appeared | 1996 | | |
| Reason For Selection | The world's first use of extrusion molded joints (EMJ) for 500kV long distance CV cable. Used in 2000 for 39.8km of the TEPCO Shin-Toyosu line. EMJs are a system of joining cables using a small extruder and a mold onsite to press the same cross-linked polyethylene as the cable insulation to form, heat and then pressurize the insulation. | | |
| 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 | | | |