
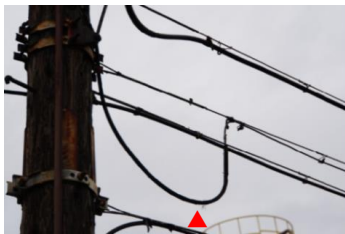
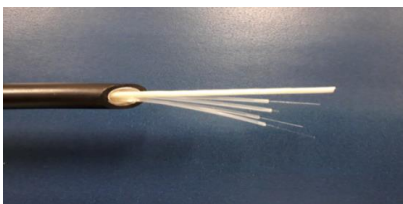


The world's first optical fiber cable for applied use

Registration No.	Number 00273		
Registration Date	September 10, 2019	Registration Category	Category 2
Name (Model, etc.)	4 Fiber Optical Cable		
Location	Ichihara-shi, Chiba		
	Furukawa Electric Co., Ltd.		
Owner (Custodian)	Furukawa Electric Co., Ltd.		
Manufacturer (Company)	Furukawa Electric Co., Ltd.		
Year Manufactured	1974		
Year first appeared			
Reason For Selection	<p>The world's first optical fiber cable ever installed into practical environment. An aerial section is remain installed as it was at first demonstration. A step-index (SI) multimode optical fiber made by Corning, U.S.A. was used to prototype a 4-fiber optical cable. In an actual use environment outdoor testing site, aerial 200 meters were installed between telegraph poles, 200 meters were installed underground trough, and also connection experiment was performed. The result of the experiment was reported at the first European Conference and Exhibition on Optical Communication in 1975 (ECOC '75) and became the significant step stone for optical fiber cable development for actual applications. This legacy is valuable as the first step toward current information and communication network society, which realized by optical fiber communication systems.</p>		
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	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Entire view</p> </div> <div style="text-align: center;">  <p>Note: "▲" in the photograph indicates the</p>  <p>4 Fiber Optical Cable cutaway</p> </div> </div>		
Other useful information			