

TORAY Introduces RAYTELA® Polymer Optical Fiber for Minimally Invasive Surgery. Able to Negotiate 9mm Radius Bends.

Toray's Raytela® is flexible and can negotiate 9mm radius bends. Raytela® is a high efficient transmitter of high intensity light for endoscopy devices and more.

NEW YORK CITY, NY, USA, December 10, 2019 /EINPresswire.com/ -- [Toray, Industries Inc.](#), announces [RAYTELA® Polymer Optical Fiber](#) for minimally invasive surgery. Endoscopy, ureteroscopy, ophthalmic surgery and other procedures require devices that are smaller and can navigate more tortuous paths than ever before. Toray has met the increasingly demanding needs for high quality imaging in the minimally invasive surgical market with the Raytela® fiber optic cable.



RAYTELA Polymer Optical Fiber Able To Negotiate Tight 9mm Radius Bends For Minimally Invasive Surgery

Toray's Raytela® is a very flexible and highly efficient transmitter of high intensity light. Its greater light efficiency transmission means that it requires less intensity at the light source. An additional special characteristic is the significantly wider degree of light broadcasting at the distal end. This combination of special capabilities results in significantly smaller diameter devices that require fewer light cables.

New devices are being developed to diagnose new disease indications. Many of these devices are required to negotiate significantly more tortuous paths than previously capable. In addition to the smaller diameter, the Raytela® optical fiber can negotiate tight 9mm radius bends and bend back upon itself 180° with no diminution in light intensity. As compared to glass fibers used in many devices, Raytela® has more resistance to fracture and longer life. Available in 4 diameters from 250 µm to 1000 µm, Raytela® is the new standard in optical fibers for medical device illumination.

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