

STREM X: A GAME-CHANGER

In All-dielectric self-supported (ADSS) Cable Designs



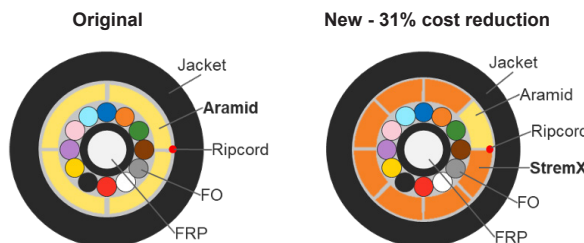
In the context of ADSS cables, high modulus aramid strength members have been the standard choice due to their outstanding mechanical and physical properties. However, the search for an alternative has come to an end

In 2020, Coats introduced StremX, an innovative product that garnered considerable industry interest. Since then, StremX has undergone comprehensive customer validations, confirming its ability to effectively replace aramid in aerial cables. This substitution not only maintains performance but also results in substantial cost savings.

The following example demonstrated the impact of StremX on a 12-Fiber ADSS cable design for an 80-meter span. The Original cable design included the use of four 3160dtex high-modulus aramid yarns with water-blocking coating.

The New cable shows the results of substituting 75% yarns of aramid by StremX HM UBC 300tex, also coated with water-blocking.

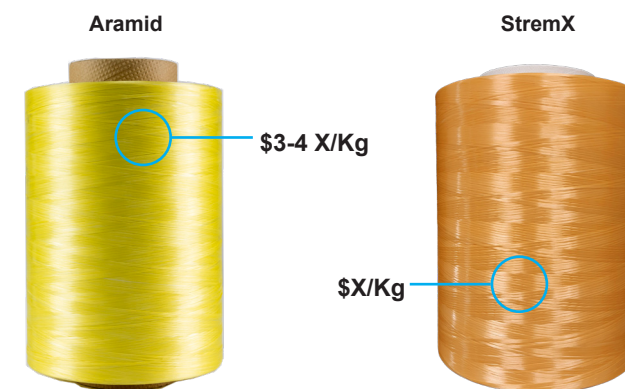
This combination was found to maximize savings (31%), while keeping the same 1% L.A.S.E. (load at specific elongation) and without compromising long-term properties.



StremX is an inorganic fiber with comparable thermal properties to glass. In addition, StremX presents excellent Processability with current cable production equipment, has superior Fire Resistance, is All-Dielectric, UV resistant and Rodent-Proof

CONCLUSION

Partial substitution of aramid in a 12-fiber cable design with a cable span of 80 meters is possible with StremX, providing cost savings in raw material.



To learn more details, please contact your sales representative or reach out to:
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