HeliARC™ fiber-optic cable
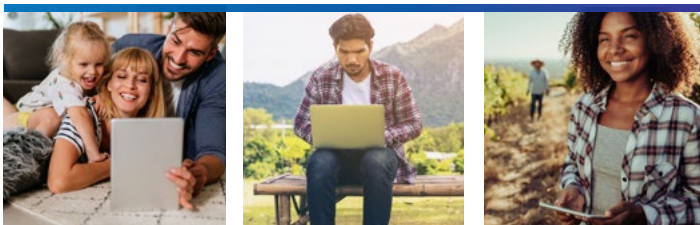
Lightweight, flexible fiber brings rural FTTH networks closer to reality

As broadband service providers extend fiber farther out into their networks, fiber-to-the-home (FTTH) architecture is becoming the new standard. The speed, reliability and bandwidth of fiber connectivity simply can't be matched. Fiber is the pipeline that millions of digital lives flow through.

Service providers face a challenge in making sure everyone enjoys this level of connectivity. Low-density areas with long cable runs drive up the cost and complexity of FTTH deployments, making it difficult for service providers to deploy fiber connectivity into rural areas.

HeliARC cable: the low-count, lightweight FTTH solution that solves the rural deployment puzzle.

That's why CommScope created HeliARC cable, the low-count, lightweight FTTH solution that solves the rural deployment puzzle.

Available only from the innovative labs of CommScope, HeliARC cable combines CommScope's decades of leadership in cable design, cable manufacturing and fiber connectivity with a slender, easy-to-install form factor that's built just for the unique needs of rural FTTH deployments.

HeliARC (the "ARC" stands for "advanced rural cable") provides everything providers need, and nothing they don't:

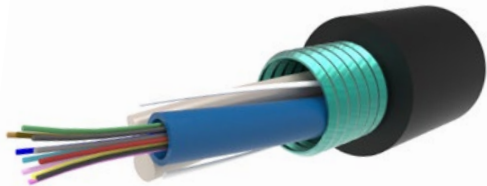| UNIQUE	OPTIMIZED	SLENDER
A unique helical core construction provides increased strength, longer spans and easy handling	An optimized 12-fiber count delivers right-sized bandwidth for low-density areas	A slender form factor reduces weight, making HeliARC suitable for aerial deployment

HeliARC cable puts broadband service providers ahead of the curve in rural FTTH deployments

HeliARC cable's helical fiber core represents a major innovation. Built specifically for low-density rural FTTH networks, HeliARC cable's unique design and easy handling reduce wasted material and time from deployments.

HeliARC cable's helical stranding process eliminates the need for binder yarns, replaces water-blocking tape with two small threads, and reduces steel armor tape width and the amount of medium density polyethylene (MDPE) compound used.

The result is a slimmer, stronger, more robust and resilient cable that affords longer aerial spans with lower tension—a must-have for rural FTTH networks—and boasts a crush strength of over 10,800 pounds.

Improve your network's sustainability score

HeliARC cable is right-sized for rural FTTH networks—reducing the material used, waste generated, and energy spent installing and maintaining the network over the long term. Broadband service providers using HeliARC cable can improve the sustainability profile of their networks without sacrificing performance.

HeliARC cable connects your rural FTTH network to a more efficient future.

HeliARC cable is built to help your network grow. Learn how to put HeliARC cable into your rural FTTH networks by contacting your CommScope sales representative.

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