

Autoscope® ENCORE
BRANCH CABLE SPECIFICATION

CABLE, ROUND, 3 CONDUCTOR, 18 AWG
(POLYETHYLENE JACKET)

Manufacturer Recommended for *Autoscope ENCORE*
Field Installations

1.0 GENERAL

This specification sets forth the minimum requirements for *Autoscope ENCORE* branch cable. The “three wires only” cable is designed for 110VAC use between *Autoscope ENCORE*’s mounted on traffic structures and the traffic cabinet. Simple field termination to the EasyLock™ connector on the MVP makes this the only cable needed for power, video, and communications at an *Autoscope ENCORE* field location.

The *Autoscope* Branch Cable must be extremely durable and easy to install in underground conduit systems. This cable was designed by Econolite to accommodate the water resistant requirements and low pulling tension specifically for conduit applications.

2.0 CABLE CONSTRUCTION

The cable shall consist of three conductors – 18 AWG with an overall UV resistant Low Density Polyethylene jacket.

2.1 18 AWG COMPONENTS: Three conductors, 18 AWG, 19 strand 30 gauge tin plated copper conductors - .046”/.052”

Color: Black, White, and Green

2.2 CONDUCTOR INSULATION: Extruded polyethylene 200- .030” wall thickness

2.3 COLORS: Black, green and white

2.4 JACKET: Extruded Black polyethylene .040”/.050” wall thickness

2.5 FINISHED DIAMETER: .330” - .354” maximum

2.6 ELECTRICAL: 600 volts (rms)

3.0 CABLE IDENTIFICATION

The cable identification shall be printed with the manufacturer’s part number, number of conductors, conductor size, voltage rating, jacket material and indicate that it is conduit rated (e.g., *Autoscope Terra Cable*, Part #1175-011, 3 COND, 18 AWG, 600V, Polyethylene Jacket, Conduit Rated).

4.0 PART NUMBER and CABLE LENGTHS

The Econolite part number for this cable is 1175-011 on a 1000 ft. spool, and 1175-010 on a 500 ft. spool.

5.0 FOR FURTHER INFORMATION:

Please consult the “*Autoscope ENCORE* Installation Guide” for further information on installing the *Autoscope ENCORE* System, or contact *Autoscope* Technical Support at 800.225.6480 or support@econolite.com.