

Loop Detector Lead-in Wire

PE Insulation, Aluminum/Polyester Shield and PVC Jacket
16 - 12 AWG • 600 Volts • 60°C • Sunlight Resistant

SCOPE:

This specification covers two conductor cables having polyethylene insulated conductors, shielded with an overall polyvinyl chloride (PVC) jacket, conforming to UL Subject 758. Rated 600 volts, 60°C.

APPLICATIONS:

Designed for use in municipal signal systems as "Loop Detector Lead-in Wire" or for use in communication circuits where a low capacitance is required. Suitable for installation in underground conduit, as aerial cable supported by a messenger, or in raceways in buildings.

CONSTRUCTION:

CONDUCTORS

Unilay stranded (19 strands) tin coated, annealed copper ASTM B-33.

INSULATION:

Heat stabilized, high molecular weight polyethylene UL Subject 758. Insulation colors are black and clear.

CABLING:

Two insulated conductors are twisted together without fillers.

SHIELDING:

An aluminum foil/polyester tape shield is applied helically with a 10% minimum overlap to provide 100% coverage. The foil side of the tape is facing outward making continuous contact with the drain wire.

DRAIN WIRE:

Stranded, tin coated, annealed copper ASTM B-33.

OVERALL JACKET:

Sunlight resistant polyvinyl chloride (chrome) UL Subject 758.

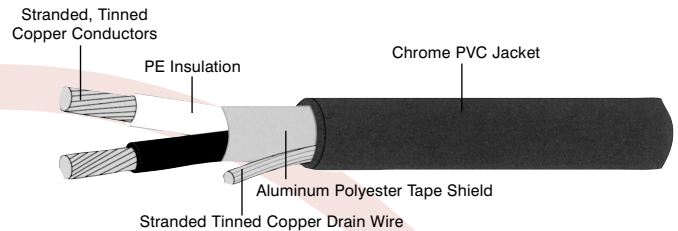
TESTS:

Dimensionals physicals and electricals as applicable - UL Subject 758.

NOTE:

The data listed is approximate and subject to normal manufacturing tolerances. Consult factory for alternate constructions or materials.

»Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.



CABLE DATA

ES-07432 (16 AWG) • ES-12210 (14 AWG)

INSULATED CONDUCTORS					DRAIN WIRE				CAPACITANCE*		APPROX. WEIGHT 1000 FT. (POUNDS)
PART NUMBER	SIZE (AWG)	NUMBER OF CONDS.	STRANDS NO./O.D. (INCHES)	INSULATION THICKNESS	SIZE (AWG)	STRANDS NO./O.D. (INCHES)	JACKET THICKNESS (INCHES)	NOMINAL O.D. (INCHES)	MUTUAL	GROUNDED	
02-0813	16	2	19/.0117	.032	18	16/.0100	.030	.310	24	47	48
02-0814	14	2	19/.0147	.032	16	19/.0117	.035	.355	24	47	67

Note: For size 12 AWG, consult factory

*Mutual capacitance (pf/ft): Capacitance between two conductors
 *Ground capacitance (pf/ft): Capacitance between one conductor and another conductor connected to ground shield.

