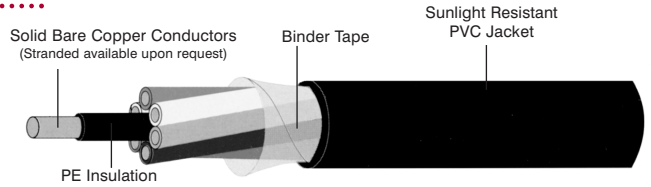


CONTROL CABLE

IMSA 19-1



PE Insulation with Overall PVC Jacket 14 - 12 AWG • 600 Volts • Sunlight Resistant

PART NUMBER	NO. OF CONDS.	14 AWG ES-11800			PART NUMBER	NO. OF CONDS.	12 AWG ES-11801		
		OVERALL JACKET THICK. (IN)	APPROX. OUTSIDE DIAMETER (IN)	APPROX. WEIGHT 1000 FT. (POUNDS)			OVERALL JACKET THICK. (IN)	APPROX. OUTSIDE DIAMETER (IN)	APPROX. WEIGHT 1000 FT. (POUNDS)
02-0773A	2 FL	.045	.210x.327	55	02-0773B	2 FL	.045	.237x.381	79
02-0774A	2 RD	.045	.327	62	02-0774B	2 RD	.045	.381	87
02-0775A	3	.045	.344	77	02-0775B	3	.045	.402	113
02-0776A	4	.045	.374	96	02-0776B	4	.045	.440	140
02-0777A	5	.045	.408	119	02-0777B	5	.045	.481	170
02-0778A	7	.045	.444	152	02-0778B	7	.060	.555	240
02-0779A	9	.045	.515	185	02-0779B	9	.060	.642	301
02-0780A	12	.060	.596	255	02-0780B	12	.060	.706	391
02-0781A	15	.060	.655	310	02-0781B	15	.060	.778	478
02-0782A	19	.060	.708	384	02-0782B	19	.080	.883	619
02-0783A	25	.060	.802	486	02-0783B	25	.080	.999	753
02-0784A	37	.080	.982	729	02-0784B	37	.080	1.171	1130

SCOPE:

This specification covers multiconductor cables having polyethylene insulated conductors with an overall polyvinyl chloride (PVC) jacket, conforming to IMSA Specification 19-1. Rated 600 volts. UL classified to IMSA 19-1.

APPLICATIONS:

Designed for indoor or outdoor use as traffic signal cable or as fire protective signaling cable. Approved for installation in underground conduit, as aerial cable supported by a messenger, or in raceways in buildings.

CONSTRUCTION:

CONDUCTORS

Solid, bare, soft annealed copper per ASTM B-3 IMSA 19-1 paragraph 3. (Concentric or bunch stranded copper is available upon request).

INSULATION:

Heat stabilized, high molecular weight polyethylene IMSA 19-1 paragraph 4.

CABLING:

Two or more conductors are assembled round with moisture resistant, non-wicking polyethylene fillers as needed. A moisture resistant polyester tape is applied over the assembly. (Two conductor flat construction may be requested as an exception to the specification).

OVERALL JACKET:

Sunlight resistant polyvinyl chloride (black) IMSA 19-1 paragraph 9.

COLOR CODING:

Solid colors with longitudinal integral stripes as needed. (See "Color Code" chart).

CABLE IDENTIFICATION:

Indent print on one side of jacket:
"(size) AWG IMSA 19-1 600V. Ink print on other side of jacket: "(number of conductors)" "UL classified IMSA Specification 19-1" may be added when requested.

TESTS:

Dimensionals physicals and electricals as applicable. IMSA 19-1 paragraph 12.

NOTE:

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

Indicate AWG required, when ordering.

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.

COLOR CODE Per IMSA 19-1 Table 5.1					
COND. NO.	ILLUS. COLOR	STRIPES	COND. NO.	ILLUS. COLOR	STRIPES
1	Black	--	12	Black	White
2	White	--	13	Red	White
3	Red	--	14	Green	White
4	Green	--	15	Blue	White
5	Orange	--	16	Black	Red
6	Blue	--	17	White	Red
7	White	Black	18	Orange	Red
8	Red	Black	19	Blue	Red
9	Green	Black	20	Red	Green
10	Orange	Black	21	Orange	Green
11	Blue	Black			

Color code repeats after 21 conductors.

CONDUCTOR DATA			
SIZE (AWG)	PE INSULATION (INCHES)		APPROX. OUTSIDE DIAMETER (INCHES)
	MINIMUM AVERAGE	MINIMUM ANY POINT	
14	.025	.022	.114
12	.030	.027	.141

For sizes 20, 18, 16, 10 and 8 AWG consult factory.