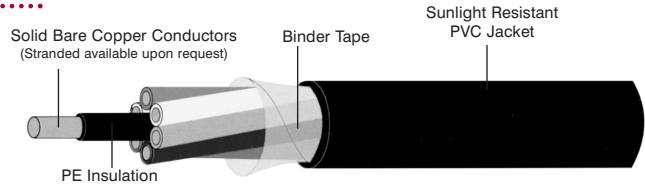


CONTROL CABLE

IMSA 20-1



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

| PART NUMBER | NO. OF CONDS. | 14 AWG ES-11828 | | | PART NUMBER | NO. OF CONDS. | 12 AWG ES-11829 | | |
|-------------|---------------|----------------------------|-------------------------------|----------------------------------|-------------|---------------|----------------------------|-------------------------------|----------------------------------|
| | | 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) |
| 02-0785A | 2 FL | .045 | .210x.327 | 49 | 02-0785B | 2 FL | .045 | .237x.381 | 69 |
| 02-0786A | 2 RD | .045 | .327 | 53 | 02-0786B | 2 RD | .045 | .381 | 75 |
| 02-0787A | 3 | .045 | .344 | 68 | 02-0787B | 3 | .045 | .402 | 103 |
| 02-0788A | 4 | .045 | .374 | 87 | 02-0788B | 4 | .045 | .440 | 132 |
| 02-0789A | 5 | .045 | .408 | 105 | 02-0789B | 5 | .045 | .481 | 158 |
| 02-0790A | 7 | .045 | .444 | 135 | 02-0790B | 7 | .060 | .555 | 219 |
| 02-0791A | 9 | .045 | .515 | 171 | 02-0791B | 9 | .060 | .642 | 273 |
| 02-0792A | 12 | .060 | .596 | 234 | 02-0792B | 12 | .060 | .706 | 358 |
| 02-0793A | 15 | .060 | .655 | 387 | 02-0793B | 15 | .060 | .778 | 438 |
| 02-0794A | 19 | .060 | .708 | 355 | 02-0794B | 19 | .080 | .883 | 566 |
| 02-0795A | 25 | .060 | .802 | 462 | 02-0795B | 25 | .080 | .999 | 863 |
| 02-0796A | 37 | .080 | .982 | 688 | 02-0796B | 37 | .080 | 1.171 | 1066 |

SCOPE:

This specification covers multiconductor cables having polyethylene insulated conductors with an overall polyethylene jacket, conforming to IMSA Specification 20-1. Rated 600 volts. UL classified to IMSA 20-1.

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 20-1 paragraph 3. (Concentric or bunch stranded copper is available upon request).

INSULATION:

Heat stabilized, high molecular weight polyethylene IMSA 20-1 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 polyethylene (black) IMSA 20-1 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 20-1 600V. Ink print on other side of jacket:
"(number of conductors)" "UL classified IMSA Specification 20-1" may be added when requested.

TESTS:

Dimensionals physicals and electricals as applicable. IMSA 20-1 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 20-1 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.