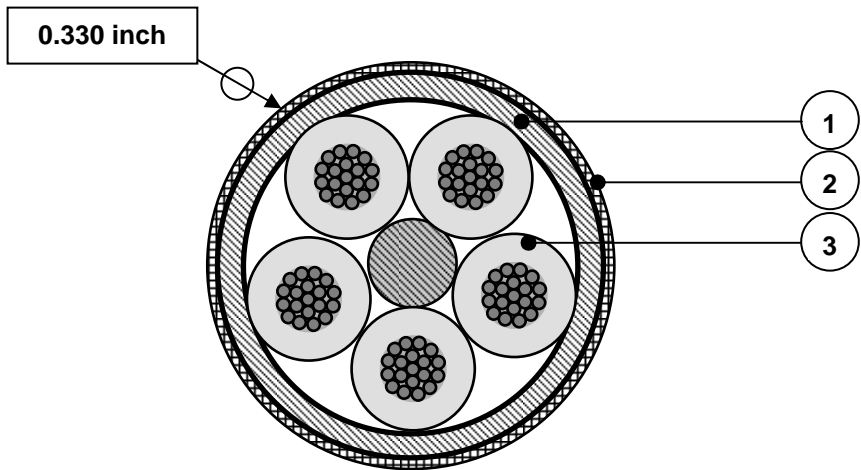


REVISION RECORD			
Rev	Date	Description	Auth
n/c	10/03/2001	Initial release.	S.A.
		Printed 01/13/2016	

This drawing is in review for a revision to RoHS 6-20-19

PROPRIETARY DOCUMENT



SPECIFICATION

Approvals		Date	NATIONAL WIRE & CABLE CORPORATION	
Prep:	S. Audish	01/11/16	136 San Fernando Road, Los Angeles, CA 90031	
Engr:	S. Audish	01/11/16	Tel: 323-225-5611 Fax: 323-225-4630	
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QA	S. Godinez	01/12/16		
NATIONAL WIRE & CABLE CORPORATION			Cable, Electronic, Special Purpose	
FEDERAL MFGR CAGE NO. 04569			Now RoHS	S10-7096 SR10-7096 Rev: n/c
Copyright 2016 National Wire & Cable Corporation All Rights Reserved			A.A. Lighting	Pg. 1 of 2

1	Jacket	The overall jacket shall be an extruded layer of flexible black flame retardant Thermo-Plastic Rubber. Jacket wall thickness shall be 0.055 inch. Cable diameter over jacket shall be 0.300 inch, nominal. Compound temperature rating: -55°C to + 125°C.
2	Armor Braid	A 36-gauge Stainless Steel braid armor shield shall be applied over the cable jacket with an optical coverage of greater than 90%. Braid constructed in accordance with Mil-C-7078. Cable diameter over jacket shall be 0.330 inch, nominal.
3	Conductors	The cable shall contain five (5) individual conductors of AWG 18(19) stranded tinned copper, individually insulated Teflon to meet MIL-W-22759/18. Color-coded per Table A. Mil-W-22759/18 wire is rated for use at 600 volts, from -65°C to +150°C.
	Cabling	To ensure consistent flexibility of the cable, all wires and components shall be given a precision helical twist using planetary cable-forming machines with back-twist neutralization to form the cable. There shall be no evidence of residual twist in the components.
	HV Spark Test	100% of all insulated wire shall pass a 2,500-volt AC 60 Hz. spark test prior to processing.
	Final Test	Finished cable shall withstand a 1200-volt AC, 60 Hz, High Potential Withstand Test applied between each wire and a group consisting of all else in the cable. Test potential shall be applied continuously for one minute without arcing or other evidence of failure. All conductors shall be tested to verify continuity.

TABLE A

Wire No.	Color
1	Black
2	Red
3	Green
4	Blue
5	White

notes by alfonsi 6-20-19

NATIONAL WIRE & CABLE CORPORATION	Cable, Electronic, Special Purpose		
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