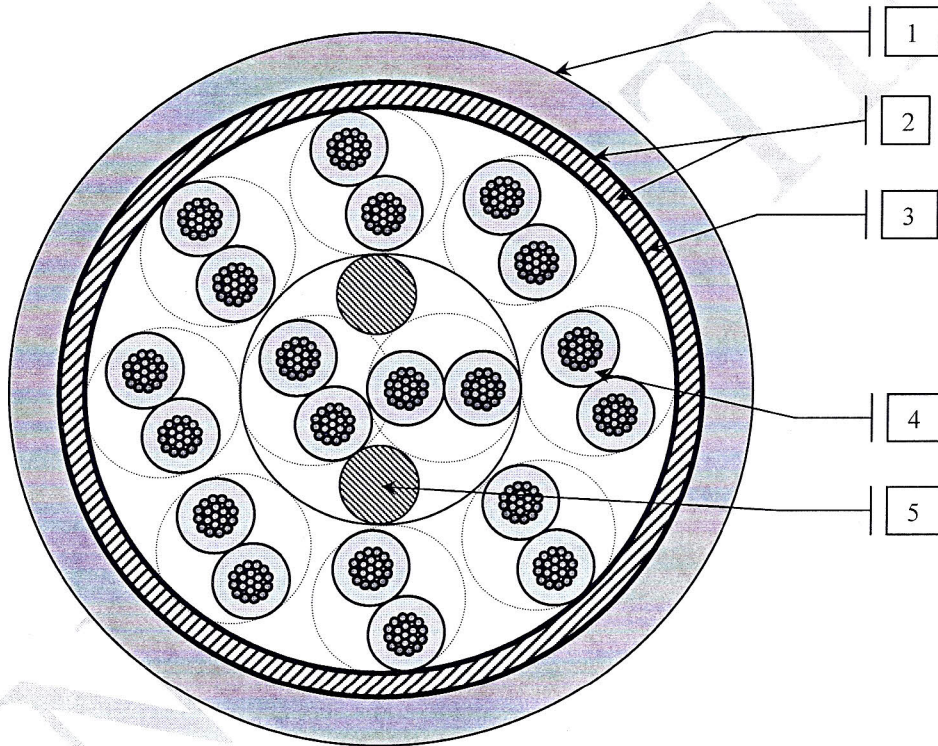




REVISION RECORD			Auth
Rev	Date	Description	
N/C	04/2014	Initial release.	S.A



SPECIFICATION

Approvals		Date	NATIONAL WIRE & CABLE CORPORATION	
Prep:	S. Luevano <i>[Signature]</i>	7/24/15	136 San Fernando Road, Los Angeles, CA 90031	
Engr:	S. Audish <i>[Signature]</i>	7/24/15	Tel: 323-225-5611 Fax: 323-225-4630	
Mfg:	G. Lepe <i>[Signature]</i>	7-24-15	Web: www.nationalwire.com email: info@nationalwire.com	
QA	S. Godinez <i>[Signature]</i>	7-24-15		
NATIONAL WIRE & CABLE CORPORATION			Cable, Electronic, Special Purpose	
FEDERAL MFGR CAGE NO. 04569			SR10-7189	Rev. N/C
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1	Jacket	The overall jacket shall be an extruded layer of flexible Elite Gray, RoHS Compliant Polyvinyl chloride compound, with a nominal wall thickness of 0.050 inch. Outside diameter shall be 0.455" +/- 0.010". Jacket Temperature rating: -40 to +105C.
2	Barrier tapes	Two Paper barrier tapes shall be applied over Cable bundle with a minimum overlap coverage of 35%.
3	Shield	A 36 AWG tinned copper spiral shall be formed over cable bundle. Shield coverage shall be greater than 90%.
4	Conductors	The cable shall contain 20 each 22 (19x34) AWG conductors insulated with Polyvinyl Chloride. Color coded per Table "A". The conductors will be formed into 10 individual twisted pairs prior to being cabled. 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. Insulated conductors meet UL AWM 1061 & CSA AWM II A/B, rated for use at +80°C, 300 volts, and passes VW-1 & FT-1 flame tests.
5	Fillers	Fillers shall be used as required for geometrical purposes.
	Note:	Cable is compliant to EU RoHS & REACH SVHC 161 directives.

TABLE A

Pair #	Color Code
1	White & Black
2	White & Brown
3	White & Red
4	White & Orange
5	White & Yellow
6	White & Green
7	White & Blue
8	White & Violet
9	White & Gray
10	Black & Brown



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