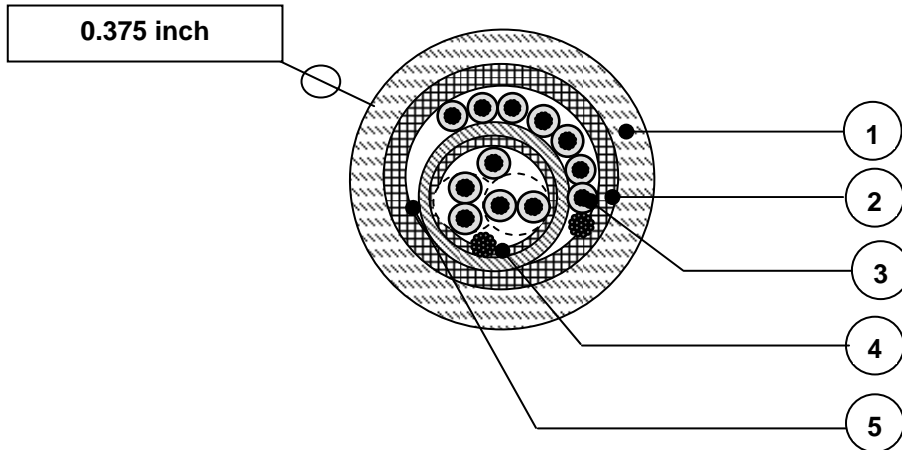


REVISION RECORD			
Rev	Date	Description	Auth
PP-1	08/30/06	Pre-production release.	S.A.
N/C	11/01/06	Initial release.	S.A.

PROPRIETARY DOCUMENT



Cable description
 Twelve total insulated conductor bundle with an overall shield and jacket. Five of these wires are formed under an overall braid shield and jacket.

SPECIFICATION

Approvals	Date	NATIONAL WIRE & CABLE CORPORATION	
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QA J. Rasheed	02/29/08		

NATIONAL WIRE & CABLE CORPORATION	Cable, Special Purpose
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1	Jacket	The overall jacket shall be an extruded layer of flexible black RoHS compliant Polyvinyl-Chloride (PVC) compound meeting UL AWM style 2464 requirements, with a nominal wall thickness of 0.032 inch. Nominal diameter of jacket shall be 0.375 inch.
2	Overall Braid Shield	A 36-gauge tinned copper braid shield shall be formed over the cable bundle with optical braid coverage of 90% minimum. A stranded 22-gauge un-insulated drain wire shall be placed under the braid for ease of termination.
3	Single conductors	In addition to the sub-cable "A", the cable shall contain seven (7) additional conductors, Two (2) single insulated conductors of stranded 24-gauge (19X36) and five (5) single insulated conductors of stranded 26-gauge (19X38). Both gauges shall be insulated with a PVC compound meeting the UL AWM Style1061 requirements. Insulated conductors color code: See table "A".
4	Sub-Cable "A"	Sub-Cable shall consist of two (2) twisted pairs and one (1) single insulated conductor, gauge 22 (19X34) tinned copper. The conductor shall be insulated with a PVC compound meeting UL AWM style 1061 requirements. Nominal insulation diameter shall be 0.050 inch. A 36-gauge tinned copper braid shield shall be formed over the cable bundle with optical braid coverage of 90% minimum. A stranded 22-gauge un-insulated drain wire shall be placed under the braid for ease of termination. A thin layer of extruded flexible PVC shall be applied as a cable jacket over the shielded sub-cable bundle. Insulated conductors color code: See table "A".
5	Barrier Tape	A clear polyester tape wrap shall be applied over the cable bundle with a 35% minimum overlap.
	Cabling	The one sub-cable "A" and the seven signal wires shall be machine-formed together into a single helically-twisted cable group, covered by the barrier tape.
	HV Spark Test	100% of all insulated signal wires shall pass a 3400-volt AC 60 Hz. spark test prior to processing into cable.
	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. The shields shall withstand a 600-volts AC, 60Hz, Hi-Potential withstand test. Test potential shall be applied continuously for one minute without arcing or other evidence of failure. All conductors shall be tested to verify continuity.
	Note	To the best of National Wire & Cable Corp. knowledge, all the components used in this cable are in compliant with the EU RoHS directive.

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Table "A"

COLOR CODE	
Sub-Cable "A"	
Pair 1 (22AWG)	White paired with Black
Pair 2 (22AWG)	White paired with Brown
Single (22AWG)	Green
Single	
24 AWG	Orange
24 AWG	Yellow
26 AWG	Red
26 AWG	Black
26 AWG	Blue
26 AWG	Violet
26 AWG	Gray

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