

WireTek, Inc. - Technical Datasheet - www.wiretekusa.com			
Product:	M3432-01HDF(1/2)0660		
NSN:	6145-01-166-8664		
Description:	1 conductor AWG 2 Hookup Wire (H) Heavy Duty, (D) Low Temperature and Heat Resistant (F) Flexible Unshielded Cable		
Rating:	-55°C TO +75°C / 600 VOLTS		
PRIMARY CONDUCTOR INFORMATION			
Primary Conductor Gauge Size:	AWG 2 - 259	Conductor DCR at 25°C MAX. (Ω/1000 ft)	0.1800
Primary Conductor Stranding:	259 F - Flexible Stranding (F in "HDF")		
Single Wire Gauge Size / Diameter:	26		
Conductor Material Allowed:	Bare Copper or Tin Copper (Bare Copper is common)		
Nominal Insulation Thickness:	.063" H - Heavy Duty (H in "HDF" - Class designation 1st letter)		
Color Code of Primary Wires:	Black		
Alternative Color Code:	N/A		
Insulation Material(s) Allowed:	IS-L, IH, S(TPE-S) & O(TPE-O) Class designation "D" - in HDF, 2nd Letter		
	IS-L	Low Temperature, Heat Resistant Styrene Butadiene Rubber (SBR)	
	IH	Low Temperature, Heat and Ozone Resistant, Ethylene-Propylene Rubber (EPM) or Ethylene-Propylene-Diene Rubber (EPDM)	
WireTek uses TPE(S)	S	Low Temperature Heat and Ozone Resistant, Styrenic Thermoplastic Elastomer (TPE-S)	
WireTek uses TPE(O)	O	Low Temperature Weather Resistant, Olefinic Thermoplastic Elastomer (TPE-O)	
OVERALL JACKET INFORMATION			
Jacket Material(s) Allowed:	S (TPE-S), O(TPE-O), JN-L		
	JN-L	Low Temperature Chloroprene Rubber	
	WireTek uses TPE(O) and TPE(S) for the jacket material		
Jacket Construction:	TPE(O) jacket as per the standard		
Jacket Color:	BLACK		
Nominal Overall Cable Diameter:	.660" ±.020"		
Cable Marking / Print Legend:	Part Number and Manufacturer's name and year of manufacture		
WireTek's Marking:	M3432-01HDF(1/2)0660 Marking Tape under the jacket is marked: WIRETEK, INC. + year of manufacture		
Cable Weight per 1000 feet:	335 lbs per 1000 feet approximately		
PARTIAL ELECTRICAL REQUIREMENTS			
Spark Test Voltage:	10,000 VOLTS rms	Unaged Tensile Strength (TPE-O):	1000 psi
Dielectric Withstand Voltage:	3,500 VOLTS	Unaged Minimum Elongation:	250%
CABLE IS TESTED AND CERTIFIED TO MIL-DTL-3432 LATEST REVISION			

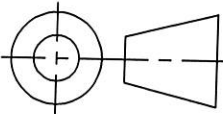
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REVISION HISTORY

REV	DESCRIPTION	DATE	APPROVED	
B	REDRAWN WITH CHANGE CR R-0000107226	13-08-01	MXD	RFC

UNLESS OTHERWISE SPECIFIED
DIM ARE IN INCHES
TOL ON ANGLE ±
2PL ± 3PL ±
DIMENSIONING AND TOLERANCING IS IN
ACCORDANCE WITH ANSI Y14.5-1973

THIRD ANGLE PROJECTION




NOTES:

- THIS CABLE SHALL BE IN ACCORDANCE WITH MIL-DTL-3432J
FOR TYPE DESIGNATION: M3432-01HDF (1/2) 0660.

INFORMATION INCLUDED HEREIN IS CONTROLLED UNDER THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS (ITAR) BY THE US DEPARTMENT OF STATE OR THE EXPORT ADMINISTRATION REGULATIONS (EAR) BY THE BUREAU OF INDUSTRY AND SECURITY. EXPORT OR TRANSFER OF THIS INFORMATION TO A FOREIGN PERSON, DUAL-NATIONAL OR OTHER FOREIGN ENTITY MAY REQUIRE PRIOR EXPORT APPROVAL.

ALL SHEETS ARE THE SAME REVISION STATUS

CONTRACT NO N00039-80-C-0482		LOCKHEED MARTIN 			
SIGNATURES		YY-MM-DD	TITLE		
PREPARER	J. BOYER	72 12 20	WIRE, ELECTRICAL		
CHECKER	M. MELOING	73 01 09			
ENGR			SIZE	CAGE CODE	DWG NO
ISSUED	G. DALEY	73 01 09	A	03538	7844844
		SCALE NONE	EST WEIGHT	SHEET 1 OF 1	