

WireTek, Inc. - Technical Datasheet - www.wiretekusa.com			
Product:	M3432-05HOF(5/16)0525		
NSN:	N/A		
Description:	5 conductor AWG 16 - 65/34 (H) Heavy Duty, (O) Medium Low Temperature, Oil Resistance (F) Flexible Unshielded Cable		
Rating:	-40°C TO +75°C / 600 VOLTS		
PRIMARY CONDUCTOR INFORMATION			
Primary Conductor Gauge Size:	AWG 16 - 65	Conductor DCR at 25°C MAX. ( $\Omega$ /1000 ft)	4.4900
Primary Conductor Stranding:	65 F - Flexible Stranding (F in "HOF")		
Single Wire Gauge Size / Diameter:	34		
Conductor Material Allowed:	Bare Copper or Tin Copper* - see the note below		
Nominal Insulation Thickness:	.033" H - Heavy Duty (H in "HOF" - Class designation 1st letter)		
Color Code of Primary Wires:	Black, White, Green, Red and Blue		
Alternative Color Code:	N/A		
Insulation Material(s) Allowed:	IS, IH, S(TPE-S) & O(TPE-O) Class designation "O" - in HOF, 2nd Letter		
	IS	Medium Low Temperature, 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 CABLING INFORMATION			
Cable Core:	5 conductors of AWG 16 are cabled together with optional fillers to make the core round		
Separator:	Polyester Tape / Clear Mylar		
Overall Braid:	N/A - No braid required		
OVERALL JACKET INFORMATION			
Jacket Material(s) Allowed:	S (TPE-S), O(TPE-O), JN		
	JN	Moderate 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:	.525" $\pm$ .020"		
Cable Marking / Print Legend:	Part Number and Manufacturer's name and year of manufacture		
WireTek's Marking:	M3432-05HOF(5/16)0525 Marking Tape under the jacket is marked: WIRETEK, INC. + year of manufacture		
Cable Weight per 1000 feet:	120 lbs per 1000 feet approximately	Copper Weight per 1000 ft:	41.50 lbs
PARTIAL ELECTRICAL REQUIREMENTS			
Spark Test Voltage:	6,000 VOLTS rms	Unaged Tensile Strength (TPE-O):	1000 psi
Dielectric Withstand Voltage:	3,000 VOLTS	Unaged Minimum Elongation:	250%
CABLE IS TESTED AND CERTIFIED TO MIL-DTL-3432 LATEST REVISION			
* WireTek used bare copper conductor. Tin will only be used if bare copper is unavailable or if the customer requested tin copper. WireTek will confirm with the customer before using tin copper			