

Manufacturers of Insulated Wire and Cable

WireTek, Inc. - Technical Datasheet - www.wiretekusa.com			
Product:	M3432-06LOE(4/22-2/22SI)0300		
NSN:	N/A		
Description:	4C AWG 22 - 26/36 & 2C AWG 22 Individually Briad Shielded COMPOSITE CABLE		
	(L) Light Duty, (O) Medium Low Temperature Oil Resistant (E) Extra Flexible Unshielded Cable		
Rating:	-40°C TO +75°C / 600 VOLTS		
PRIMARY CONDUCTOR INFORMATION			
Primary Conductor Gauge Size:	AWG 22-26	Conductor DCR at 25°C MAX. (Ω /1000 ft)	18.0900
Primary Conductor Stranding:	26	E - Extra Flexible Stranding (E in "LOE")	
Single Wire Gauge Size / Diameter:	36		
Conductor Material Allowed:	Bare Copper or Tin Copper (Bare Copper is common)		
Nominal Insulation Thickness:	.016"	L - Light Duty (J in "LOE" - Class designation 1st letter)	
Color Code of Primary Wires:	Black, White, Green, Red, Blue and Orange		
Alternative Color Code:	N/A		
Insulation Material(s) Allowed:	IS-L, IH, S(TPE-S) & O(TPE-O) Class designation "O" - in LOE, 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)	
INDIVIDUAL BRAID			
Individual Braid Coverage:	85% Braid Coverage - Tin Copper as Stanadard (Spec allows Bare as well)		
Color Code for Individual Braid:	Orange and Blue		
OVERALL CABLING INFORMATION			
Cable Core:	4 conductors of AWG 22 and 2C Individually Shielded 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-L	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:	.300" \pm .015"		
Cable Marking / Print Legend:	Part Number and Manufacturer's name and year of manufacture		
WireTek's Marking:	M3432-06LOE(4/22-2/22SI)0300 Marking Tape under the jacket is marked: WIRETEK, INC. + year of manufacture		
Cable Weight per 1000 feet:	60 lbs approximately	Approximate Copper Weight per MFT: 27 lbs	
PARTIAL ELECTRICAL REQUIREMENTS			
Spark Test Voltage:	3,000 VOLTS rms	Unaged Tensile Strength (TPE-O):	1000 psi
Dielectric Withstand Voltage:	1,500 VOLTS	Unaged Minimum Elongation:	250%
CABLE IS TESTED AND CERTIFIED TO MIL-DTL-3432 LATEST REVISION			