

## Manufacturers of Insulated Wire and Cable

WireTek, Inc. - Technical Datasheet - www.wiretekusa.com			
Product:	M3432-10LEF(10/16)SSJ0700		
NSN:	N/A		
Description:	10 conductor AWG 16 - 65/34		
	(L) Light Duty, (E) Low Temp. Oil, Ozone, Weather and Heat resistant (F) Flexible Dual shielded Cable		
Rating:	-65°C TO +90°C / 300 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 "LEF")		
Single Wire Gauge Size / Diameter:	34		
Conductor Material Allowed:	Bare Copper or Tin Copper (Bare Copper is common)		
Nominal Insulation Thickness:	.018" L - Light Duty (L in "LEF" - Class designation 1st letter)		
Color Code of Primary Wires:	6 Solid Colors and 4 striped as per MIL-STD-686C TABLE IIA		
Alternative Color Code*:	All Solid Colors - ONLY USED WHEN REQUESTED		
Insulation Material(s) Allowed:	S(TPE-S) & O(TPE-O) Class designation "E"-in LEF, 2nd Letter		
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:	10 conductors of AWG 16 are cabled together with optional fillers to make the core round		
Separator:	Polyester Tape / Clear Mylar		
Overall Braid:	85% Coverage - Dual Bare or Tin Copper WireTek uses Tin Copper in most cases. But can substitute with bare copper		
OVERALL JACKET INFORMATION			
Jacket Material(s) Allowed:	S (TPE-S), O(TPE-O)		
	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:	.700" $\pm$ .020"		
Cable Marking / Print Legend:	Part Number and Manufacturer's name and year of manufacture		
WireTek's Marking:	M3432-10LEF(10/16)SSJ0700 Marking Tape under the jacket is marked: WIRETEK, INC. + year of manufacture		
Cable Weight per 1000 feet:	285 lbs per 1000 feet approximately	Copper Weight per 1000 feet: 155 lbs	
PARTIAL ELECTRICAL REQUIREMENTS			
Spark Test Voltage:	3,000 VOLTS rms	Unaged Tensile Strength (TPE-O):	1000 psi
Dielectric Withstand Voltage:	1,000 VOLTS	Unaged Minimum Elongation:	250%
CABLE IS TESTED AND CERTIFIED TO MIL-DTL-3432 LATEST REVISION			
* CUSTOMER MUST ASK FOR THE ALTERNATE COLOR CODE AND MUST SHOW ON THE PURCHASE ORDER			