

**TECHNICAL DATA SHEET**

<b>WireTek, Inc.</b>	<b>Product: M3432-05LGF(5/10)SJ0650</b>	
<b>Description:</b>	5 CONDUCTOR AWG 10-105*/30 BARE COPPER, TPE INSULATION AND TPE JACKET CABLE LIGHT GENERAL PURPOSE MEDIUM LOW TEMPERATURE -40°C TO +75°C	
<b>ELECTRICAL CHARACTERISTICS:</b>		
MAX. CONDUCTOR DC RESISTANCE @ 20°C:	1.14 OHMS / 1000 FEET	
SPARK TEST VOLTAGE( VOLTS, RMS):	3,000 VOLTS	
DIELECTRIC WITHSTAND (VOLTS):	1,500 VOLTS	
COLOR CODE (AS PER MIL-STD-686C):	BLACK, WHITE, GREEN, RED AND BLUE	
CONDUCTOR*:	AWG 10 - TYPE B / CLASS K	
<b>PHYSICAL CHARACTERISTICS:</b>		
TEMPERATURE RATING:	-40°C TO 75°C	
VOLTAGE:	300V	
MILITARY SPECIFICATION:	MIL-DTL-3432 G / H / J LATEST REV.	
NOM. WEIGHT / 1000 FEET	305.00 LBS (APPROXIMATE)	
CONDUCTOR MATERIAL & DIAMETER:	AWG 10-105/30 STRANDED BARE COPPER .130" NOM.	
INSULATION MATERIAL & DIAMETER ( COPPER + INSULATION):	TPE(O) OR TPE(S) .172" NOMINAL	
BRAID:	85% MINIMUM BRAID SHIELD	
TENSILE STRENGTH(UNAGED):	1000 PSI MINIMUM	
ELONGATION(UNAGED):	250% MINIMUM	
SEPARATOR:	100% CLEAR MYLAR WITH 25% MIN. OVERLAP BEFORE AND AFTER BRAID	
FILLERS:	JUTE (OPTIONAL) – TO MAKE THE CABLE ROUND	
JACKET MATERIAL & DIAMETER:	TPE(O) OR TPE(S) – BLACK COLOR ..650" NOM.	
JACKET LEGEND:	M3432-05LGF(5/10)SJ0650	
MARKING TAPE:	YES – UNDER THE JACKET	
CABLE RATING & CONSTRUCTION:	MIL-DTL-3432 G / H / J LASTEST REV.	

**NOTE: THIS TPE/TPR MATERIAL HAS A WORKING TEMPERATURE OF -60°C TO 125°C**  
NOTE: WIRETEK, INC. MANUFACTURE ALL IT'S MIL-DTL-3432 CABLES WITH BARE COPPER CONDUCTOR AND TIN COPPER BRAID AS STANDARD. BUT MAY SUBSTITUTE BARE COPPER CONDUCTOR WITH TIN COPPER CONDUCTOR, WE WILL ONLY DO SO AFTER GETTING APPROVAL FROM THE CUSTOMER. WE ALSO MANUFACTURE MIL-DTL-3432 CABLES WITH BARE COPPER BRAID UPON REQUEST. ALL OPTIONS ARE ALLOWED AS PER THE SPEC.

\* - TYPE B / CLASS K CALLS FOR 104 STRANDS OF AWG 30 WITH AS PER A-A-59551 AND MUST COMPLY WITH ASTM B174 (TABLE I) ASTM B174 ALLOWS 105 STRANDS SINCE CRITICAL VALUES ARE BELOW THE MAXIMUM ALLOWED VALUES AND IS COMMERCIALY ACCEPTABLE

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