

TECHNICAL DATA SHEET

CAGE CODE: 1CZR5

WireTek, Inc.	Product: M3432-09LOF(7/22-2/22SI)0325	
Description:	9 CONDUCTOR AWG 22-19/34 BARE COPPER, TPE INSULATION AND TPE JACKET CABLE 7 CONDUCTORS ARE TPE INSULATED, 2 CONDUCTORS ARE TPE INSULATED, BRAIDED WITH 85% MIN. COVERAGE AND CLEAR MYLAR WRAP ON BRAID AS A BARRIER.	
ELECTRICAL CHARACTERISTICS:		
NOM. CONDUCTOR DC RESISTANCE @ 20°C:	14.21 OHMS / 1000 FEET	
SPARK TEST VOLTAGE(VOLTS, RMS):	3,000 VOLTS	
DIELECTRIC WITHSTAND (VOLTS):	1,000 VOLTS	
PHYSICAL CHARACTERISTICS:		
TEMPERATURE RATING:	-40°C TO 75°C	
VOLTAGE:	300V	
MILITARY SPECIFICATION:	MIL-DTL-3432F/G/H/J LASTEST REV.	
NOM. WEIGHT / 1000 FEET	60.00 LBS (APPROXIMATE)	
COPPER WEIGHT (Cond. + Braid):	31 LBS PER 1000 FEET (APPROXIMATE)	
CONDUCTOR MATERIAL & DIAMETER:	AWG 22-19/34 STRANDED BARE COPPER .030" NOM.	
INSULATION MATERIAL & DIAMETER (COPPER + INSULATION):	TPE(O) OR TPE(S) .062" NOMINAL	
INSULATION COLOR CODE:	AS PER MIL-STD-686C BLACK, WHITE, GREEN, RED, BLUE, ORANGE, WHITE/BLACK, RED/BLACK & GREEN/BLACK	
BRAID:	2 CONDUCTORS – RED/BLACK & GREEN/BLACK HAVE 85% MIN. TIN COPPER* BRAID. CLEAR MYLAR WRAP BEFORE AND AFTER THE BRAID	
TENSILE STRENGTH(UNAGED):	1000 PSI MINIMUM	
ELONGATION(UNAGED):	250% MINIMUM	
SEPARATOR:	100% CLEAR MYLAR WITH 25% MIN. OVERLAP	
OVERALL BRIAD:	NONE	
JACKET MATERIAL & DIAMETER:	TPE(O) OR TPE(S) – BLACK COLOR .325" ± .015" NOM.	
CABLE MARKING:	M3432-09LOF(7/22-2/22SI)0325	
MARKING TAPE UNDER JACKET:	WIRETEK + YEAR OF MANUFACTURE	

* - WIRETEK USES TIN COPPER FOR BRAID AS A STANDARD. BUT IT CAN BE BARE COPPER SINCE MIL-DTL-3432 ALLOWS BOTH