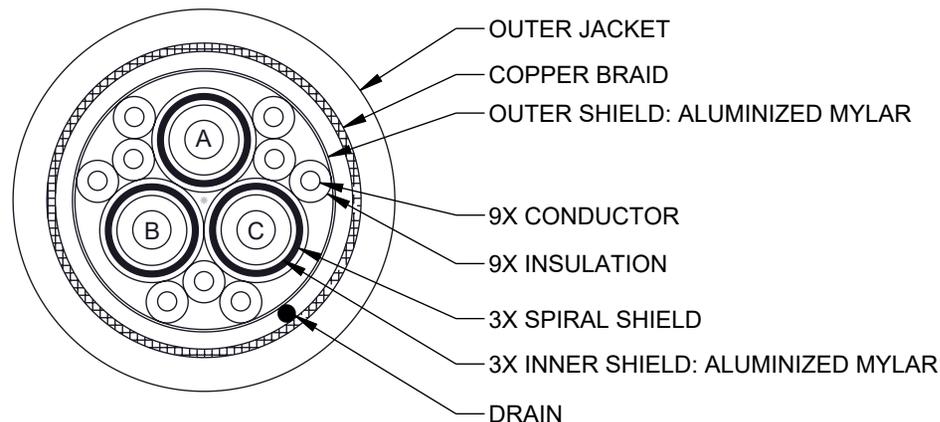


CABLE SPECIFICATION

ITEM		SPECIFICATION	
CONDUCTOR	NO.	3 COAX (A, B, C)	9 CONDUCTORS
	AWG	32 AWG	30 AWG
	MATERIAL	TINNED COPPER	TINNED COPPER
	COND SIZE	7/0.8±0.008 mm	7/0.8±0.008 mm
INSULATION	MIN AVG THICKNESS	0.38 mm	0.10 mm
	MATERIAL	FOAMED PE	HDPE
	O.D.	1.10 ± 0.05 mm	0.50 ± 0.05 mm
SPIRAL SHIELD	MATERIAL	TINNED COPPER	N/A
	SIZE	37 ± 3/0.08 mm	N/A
INNER SHIELD AL MYLAR	COVERAGE	100%	N/A
	OVERLAP	25%	N/A
OUTER SHIELD AL MYLAR	COVERAGE	100%	
	OVERLAP	25% MIN	
DRAIN	AWG	30 AWG	
	COND SIZE	7/0.1 ± 0.008 mm TA	
COPPER BRAID	MATERIAL	TINNED COPPER	
	SIZE	16*8/0.12 ± 0.008 mm	
OUTER JACKET	MIN AVG THICKNESS	0.51 mm	
	MATERIAL	HALF MATT PVC	
	COLOR	BLACK	
	O.D.	5.20 ± 0.20 mm	

REVISION					
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	D	ECO-13590	05/02/2024	AKRESOWSKI	DGUST



JACKET COLOR CODE	
WIRE	JACKET COLOR
COAX A	RED
COAX B	BLUE
COAX C	GREEN
CONDUCTOR 1	BLACK
CONDUCTOR 2	BROWN
CONDUCTOR 3	RED
CONDUCTOR 4	ORANGE
CONDUCTOR 5	YELLOW
CONDUCTOR 6	GREEN
CONDUCTOR 7	BLUE
CONDUCTOR 8	PURPLE
CONDUCTOR 9	GRAY

NOTES:

ELECTRICAL CHARACTERISTICS

- RATING: TEMP 80°C, VOLTAGE 30 V
- CONDUCTOR RESISTANCE AT 20°C MAX:
32 AWG: 588.85 Ω/km
30 AWG: 381 Ω/km
- COAXIAL WIRE IMPEDANCE: 75±5 Ω
- INSULATION RESISTANCE: 100 MΩ·km MIN AT 20°C, 500 VDC.
- DIELECTRIC STRENGTH: 500 VAC/1 MINUTE, NO BREAKDOWN.

PHYSICAL PROPERTIES OF JACKET

- TENSILE STRENGTH OF JACKET: (UNAGED) MIN 1500 psi, (AGED) MIN 70%
- ELONGATION OF JACKET: (UNAGED) MIN 100%, (AGED) MIN 65%
- HEAT SHOCK TEST ON JACKET: NO CRACKING
- COLD BEND TEST: NO CRACKING
- DEFORMATION TEST ON JACKET: MAX 50%
- FLAME TEST: PASS UL VW-1
- PHYSICAL MARKING ON JACKET:
"AWM E119932-I 兎 STYLE 20276 80°C 30V VW-1"

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UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
 .X = ±.2 [5] FRACTIONS
 .XX = ±.02 [0.5] ± 1/32
 .XXX = ±.005 [0.13] ANGLES ± 1°

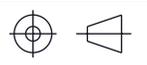
CABLE LENGTH TOLERANCES:
 ≤12 [305] = +1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UN-DIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY



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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE	SHEET
NONE	1 OF 1

DESCRIPTION				
BULK CABLE, 30V, 80°C, BLACK, SUPER-THIN SVGA, 250 FT				
SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	43321	AKRESOWSKI	CTL3VGA-250T	D