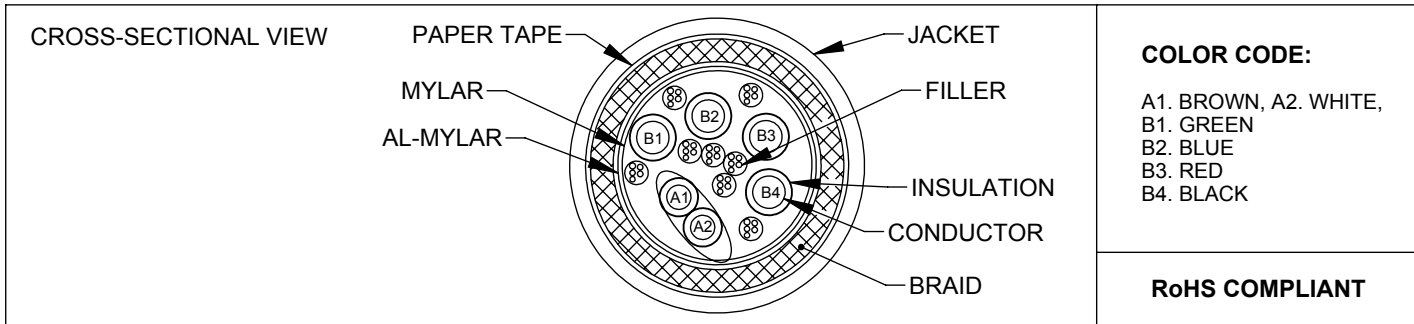


UL20866 6C BULK CABLE SPECIFICATION



ITEM		A: 1Px0.25mm ²	B: 4Cx0.75mm ²
CONDUCTORS	MATERIAL	BARE COPPER STRANDED	
	SIZE	14/0.15mm	42/0.15mm
	O.D. (REF)	0.64mm	1.12mm
INSULATION	MATERIAL	HDPE	HDPE
	MIN AVERAGE THICKNESS	0.23mm	0.23mm
	MIN AVERAGE THICKNESS AT ANY POINT	0.18mm	0.18mm
	O.D. (REF)	1.47 ± 0.05mm	1.73 ± 0.10mm
TWISTED	O.D. (REF)	2.94mm	-
CABLING	FILLER	PP ROPE	
	WRAPPED	MYLAR	
	MATERIAL	AL-MYLAR (FOIL FACING OUT)	
	O.D. (REF)	5.75mm	
BRAID	MATERIAL	TINNED COPPER	
	SIZE	24/7/0.12mm (85%)	
JACKET	WRAPPED	PAPER TAPE	
	MATERIAL	PU	
	MIN AVERAGE THICKNESS	0.76mm	
	MIN THICKNESS AT ANY POINT	0.61mm	
	O.D. (REF)	8.00 ± .30mm	
	COLOR	BLACK (MATTE)	
MARKING	E258652 AWM STYLE 20866 80° 300V VW-1 --- AWM I/II A/B 80°C 300V FT1 -LF- CE YYYY/WW		

ELECTRICAL PROPERTIES

ELECTRICAL CHARACTERISTICS	PHYSICAL PROPERTIES
1. RATED VOLTAGE: 300V 2. RATED TEMP: 80°C 3. MAX DC CONDUCTOR RESISTANCE (AT 20°C) A: 87.6Ω/km B: 27.4Ω/km 4. VOLTAGE WITHSTAND TEST: AC 2.0kV/1min 5. MIN INSULATION RESISTANCE: 10MΩ*km 6. CAPACITANCE (date wireA) : 51pF/m±10% 7. IMPEDANCE (date wireA) : 110±15Ω (0.5MHz), 100±15Ω (1.0MHz) 8. ATTENUATION (date wireA) 1.5dB/100m (0.5MHz), 2.0dB/100m (1.0MHz)	TENSILE STRENGTH: >10.3MPa ELONGATION: > 100% AGED CONDITION: 113±1°Cx168h PERCENT OF ORIGINAL TENSILE STRENGTH: >70% PERCENT OF ORIGINAL ELONGATION: >65% COLD BEND TEST: NO CRACKS (-40±1°C) COLD SHOCK TEST: NO CRACKS (-40±1°C)

REMARK

UV TEST (50h) MAX VARIATION OF TENSILE STRENGTH: ±30%
 MAX VARIATION OF ELONGATION AT BREAK: ±30%