


MVC-Cable Type #: 5

SPECIFICATION:		(1P*30# +AL)*5C+2C*30# +2D+M+AL +B		CONSTRUCTION D.W.G			
ITEM		SPECIFICATION					
CONDUCTOR	AWG	30AWG	30AWG			COLOUR CODE: 5P*30AWG: 1.WHYTE*WHITE/BLACK 2.WHYTE*WHITE/RED 3. WHITE*WHITE/GREEN 4. WHITE*WHITE/BLUE 5. WHITE*WHITE/PURPLE 2C*30AWG: 6.BLACK 7.RED	
	MATERIAL	TINNED COPPER	TINNED COPPER				
	COND.SIZE	7/0.10± 0.008 mm	7/0.10± 0.008 mm				
INSULATION	MIN.AVG.THICK	0.18 mm	0.10 mm				
	MATERIAL	FM-PE+SKIN	SR-PVC				
	O . D	0.72±0.06 mm	0.60± 0.05 mm				
	N O.	1P*5C	2C				
DRAIN	AWG	/	/				
	MATERIAL	/	/				
	SIZE	/	/				
FACE INSIDE	COVERAGE	100%	/				
	AL.Mylar	OVERLAP	25%MIN				
MYLAR	COVERAGE	/	/				
	OVERLAP	/	/				
DRAIN	MATERIAL	TINNED COPPER					
	SIZE	7/0.127± 0.008 mm*2PCS					
MYLAR	COVERAGE	100%					
	OVERLAP	25%MIN					
Face outside	COVERAGE	100%					
	AL.Mylar	OVERLAP					
BRAID	MATERIAL	TINNED COPPER					
	SIZE	16*10/0.10± 0.008 mm 7PICH 90%MIN					
JACKET	MIN.AVG.THICK	0.51 mm					
	MATERIAL	MATT PVC					
	COLOUR	UL813 BLACK					
	O . D	5.50± 0.20 mm					
ELECTRICAL CHARACTERISTICS		PHYSICAL PROPERTIES OF JACKET		MINIMUM BEND RADIUS: 10X O.D.			
1. Rating : TEMP 80°C ; VOLTAGE 30V 2. Conductor Resistance: at 20°C MAX 30AWG: 376.96Ω/km; 3. Insulation Resistance: 30# SR 10MΩ·km min at 20°C dc 500V.(EIA-364-21) 30# FM-PE+SKIN 100MΩ·km min at 20°C dc 500V.(EIA-364-21) 4. Dielectric Strength: AC 500V/1minute no breakdown. (EIA-364-20) 5. Impedance: Pairs(differential mode) 100±10Ω 6. Delay Skew: 50ps/m		1. Tensile Strength: Unaged: 1500PSI min Aged: 70% min 2. Elongation: Unaged: 100% min Aged: 65% 3. Heat shock test: NO CRACKING 4. Cold bend test: NO CRACKING 5. Deformation test: MAX 50% 6. Flame test: PASS VW-1					
				 COMPONENTS EXPRESS, INC. 10330 Argonne Woods Drive, Ste100 Woodridge, IL 60517 96595230002 8/8/19			
				APPROVED		CUSTOMER	
				CHECKED		REV	A
				DRAWING	CWJ	DATE	2017.02.16