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# Customer Specification

## PART NO. 840310

### Construction

				Diameters (In)	
1) Component 1		2 X 1 COND			
a) Conductor		14 (41/30) AWG Tinned Copper		0.070	
b) Insulation		0.032" Wall, Nom. TPE		0.134	
(1) Color(s)					
Cond	Color	Cond	Color	Cond	Color
1	RED	2	DARK BLUE		
2) Cable Assembly		2 Components Cabled			
a) Twists:		4.0 Twists/foot (min)			
b) Orientation:		Components to be arranged from INSIDE LAYER to OUTSIDE LAYER		c) Core Wrap	
Nonwoven Polyester Tape, 25% Overlap, Min.				3) Shield:	
Alum/Mylar Tape, 25% Overlap, Min.				a) Foil Direction	
Foil Facing Out				b) Drain Wire	
14 (41/30) AWG Tinned Copper				4) Jacket	
0.055" Wall, Nom., TPE		0.386 (0.404 Max.)		a) Color(s)	
BLACK				b) Ripcord	
1 End 810 Denier Nylon				c) Print	

### Applicable Specifications

1) UL	AWM/STYLE 20238	125°C / 600 V <sub>RMS</sub>
	TC	90°C / 600 V <sub>RMS</sub>
	WTTC	90°C / 1000 V <sub>RMS</sub>
2) CSA International	C(RU) AWM I/II A/B	125°C / 600 V <sub>RMS</sub>
	FT1	
3) CE:	EU Low Voltage Directive 2014/35/EC	

### Environmental

1) California Proposition 65:	The outer surface materials used in the manufacture of this part meet the requirements of California Proposition 65.
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### Properties

Physical & Mechanical Properties	
1) Temperature Range	-50 to 125°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	97 Lbs, Maximum
4) Sunlight Resistance	Yes
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600/1000 V <sub>RMS</sub>
2) Capacitance	23.9 pF/ft @1 kHz, Nominal Conductor to Conductor
3) Ground Capacitance	43 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	66 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	2.8 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	2.5 Ω/1000ft @20°C, Nominal

## Other

<b>Packaging</b>	Flange x Traverse x Barrel (inches)
a) Bulk(Made-to-order)	
<b>Notes:</b>	
a) Rosemount Part Number 08732-0060-1001 Rev AD.	
b) Supplied in 1000ft continuous spools. No splicing permitted.	

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