



Customer Specification

PART NO. M243143

Construction

				Diameters (In)	
1) Component 1		3 X 1 PAIR			
a) Conductor		20 (7/28) AWG BC		0.030	
b) Insulation		0.010" Wall, Nom. PVC, Plenum Rated		0.058	
(1) Color Code		Alpha Wire Color Code A1			
Pair	Color	Pair	Color	Pair	Color
1	BLACK-RED	2	BLACK-WHITE	3	BLACK-GREEN
c) Pair		2/Cond Cabled Together			
(1) Twists:		6.0 Twists/foot (min)			
Individually Applied:					
d) Shield:		Alum/Mylar Tape, 25% Overlap, Min.			
(1) Foil Direction		Foil Facing In			
(2) Drain Wire		22 (7/30) AWG TC			
2) Cable Assembly		3 Components Cabled			
a) Twists:		3.7 Twists/foot (min)			
3) Jacket		0.015" Wall, Nom.,PVC, Plenum Rated		0.258 (0.270 Max.)	
a) Color(s)		WHITE			
b) Print		ALPHA WIRE-* P/N M243143 3PR 20 AWG EXXXXX CMP(UL) C(UL) 75C ROHS * = Factory Code <i>[Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]</i>			

Applicable Specifications

1) UL	CMP	75°C
2) CSA International	C(UL) TYPE CMP	75°C

Environmental

Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 75°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	69 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	300 V _{RMS}
2) Mutual Capacitance	42 pf/ft @1 kHz, Nominal
3) Ground Capacitance	76 pf/ft @1 kHz, Nominal
4) Characteristic Impedance	51 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	9.7 Ω/1000ft @20°C, Nominal
7) Component Shield DCR	13.8 Ω/1000ft @20°C, Nominal

Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10 x 5 Continuous length
b) 500 FT	12 x 4.5 x 3.5 Continuous length
c) 100 FT	6.5 x 4 x 2.5 Continuous length
d) Bulk(Made-to-order)	
	<i>[Spool dimensions may vary slightly]</i>

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