



Customer Specification

PART NO. 2219/27C

Construction		

					27 x 1 PAIR	
sulation	a) Conductor				22 (7/30) AWG Tinned Copper	0.030
alation	b) Insulation				0.010" Wall, Nom. PVC, Semi-Rigid	0.050
(1) Color Code					Alpha Wire Color Code A	
Color	Pair	Color	Pair	Color		
BLACK-RED	10	RED-BLUE	19	WHITE- BLUE		
BLACK- WHITE	11	RED- YELLOW	20	WHITE- BROWN		
BLACK- GREEN	12	RED- BROWN	21	WHITE- ORANGE		
BLACK- BLUE	13	RED- ORANGE	22	WHITE- YELLOW		
BLACK- BROWN	14	GREEN- BLUE	23	BLUE- BROWN		
BLACK- YELLOW	15	GREEN- WHITE	24	BLUE- ORANGE		
BLACK- ORANGE	16	GREEN- BROWN	25	BLUE- YELLOW		
RED-GREEN	17	GREEN- ORANGE	26	BROWN- ORANGE		
RED-WHITE	18	GREEN- YELLOW	27	BROWN- YELLOW		
r					2/Cond Cabled Together	
vists					8.0 Twists/foot (min.)	
2) Cable Assembly			27 Components Cabled			
a) Twists					1.6 Twists/foot (min.)	
b) Orientation					Components to be arranged from INSIDE LAYER-to- OUTSIDE LAYER	
3) Shield			Alum/Mylar Tape, 20% Overlap (min.)			
il Direction					Foil Facing Out	
b) Drain Wire					22 (7/30) AWG Tinned Copper	
ket					0.040" Wall, Nom. PVC	0.589 (0.619 max.)
a) Color(s)					SLATE	
b) Print					ALPHA WIRE-* P/N 2219/27C 27PR 22 AWG SHIELDED 75C (UL) TYPE CM OR AWM 2576 LLXXXXXX CSA TYPE CMG FT4 CE ROHS * = Factory Code Note: Product may have c(UL) or CSA markings depending	
	BLACK-WHITE BLACK-GREEN BLACK-BLUE BLACK-BROWN BLACK-YELLOW BLACK-ORANGE RED-GREEN RED-WHITE r vists ble Assembly ists entation eld I Direction ain Wire ket	BLACK-WHITE BLACK-GREEN BLACK-BLUE BLACK-BROWN BLACK-BROWN BLACK-YELLOW BLACK-ORANGE RED-GREEN 17 RED-WHITE 18 Trivists Dele Assembly Direction D	BLACK-WHITE 11 RED-YELLOW BLACK-GREEN 12 RED-BROWN BLACK-BLUE 13 RED-ORANGE BLACK-BROWN 14 GREEN-BLUE BLACK-YELLOW 15 GREEN-WHITE BLACK-ORANGE 16 GREEN-ORANGE RED-GREEN 17 GREEN-ORANGE RED-WHITE 18 GREEN-YELLOW TOTAL STREET ST	BLACK-WHITE 11 RED-YELLOW 20 BLACK-GREEN 12 RED-BROWN 21 BLACK-BLUE 13 RED-ORANGE 22 BLACK-BLUE 14 GREEN-BLUE 23 BLACK-BROWN 15 GREEN-YELLOW 15 GREEN-ORANGE 25 BLACK-ORANGE 16 GREEN-ORANGE 26 RED-GREEN 17 GREEN-ORANGE 26 RED-WHITE 18 GREEN-YELLOW 27 Truists DIE ASSEMBLY SISTS D	BLACK-RED 10 RED-BLUE 19 BLUE BLACK-WHITE 11 RED-YELLOW 20 WHITE-BROWN BLACK-GREEN 12 RED-BROWN 21 WHITE-ORANGE BLACK-BLUE 13 RED-ORANGE 22 WHITE-ORANGE BLACK-BLUE 13 RED-ORANGE 22 WHITE-ORANGE BLACK-BROWN 14 BLUE 23 BLUE-BROWN BLACK-YELLOW 15 GREEN-WHITE 24 BLUE-ORANGE BLACK-ORANGE 16 GREEN-WHITE 25 BLUE-YELLOW RED-GREEN 17 GREEN-ORANGE 26 BROWN-ORANGE RED-WHITE 18 GREEN-YELLOW	BLACK-RED 10 RED-BLUE 19 BLUE BLACK-WHITE 11 RED-YELLOW 20 WHITE-BROWN BLACK-GREEN 12 BROWN 21 WHITE-YELLOW BLACK-BROWN 14 GREEN- 23 BLUE-BROWN BLACK-YELLOW 15 GREEN-YELLOW 25 BLUE-BROWN 16 GREEN-YELLOW 27 PYELLOW 28 PROWN-DISTRICT OF MANGE 26 BROWN-DISTRICT OF MANGE 26 BROWN-DISTRICT OF MANGE 26 BROWN-DISTRICT OF MANGE 26 BROWN-DISTRICT OF MANGE 27 BROWN-DISTRICT OF MANGE 28 PROWN-DISTRICT OF MANGE 29 P

Applicable Specifications

1) UL	AWM/STYLE 2576	80°C / 150 V _{RMS}
	СМ	75°C
	VW-1	
2) CSA International	CMG	60°C
	FT4	
3) CE	EU Low Voltage Directive 2014/35/EU	

Environmental

1) CE: EU Directive 2011/65/EU(RoHS2), EU Directive 2015/863/EU (RoHS3)	
	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015 . No Exemptions are required for RoHS Compliance on this item.
2) REACH Regulation (EC 1907/2006)	
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.
3) California Proposition 65	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more detail.

Properties

Physical & Mechanical Properties			
1) Temperature Range	-20 to 80°C		
2) Bend Radius	10X Cable Diameter		
3) Pull Tension	302 lbs. (max.)		
Electrical Properties	For Engineering purposes only		
1) Voltage Rating	150 V _{RMS}		
2) Mutual Capacitance	24.2 pF/ft @1 kHz, Nominal		
3) Ground Capacitance	44 pF/ft @1 kHz, Nominal		
4) Characteristic Impedance	78 ω		
5) Inductance	0.18 μH/ft, Nominal		
6) Conductor DCR	16.6 ω/1000ft @20°C, Nominal		
7) OA Shield DCR	8.3 ω/1000ft @20°C, Nominal		

Other

Packaging	Flange x Traverse x Barrel (inches)		
a) 1000 FT	30 x 14 x 12 Continuous Length		
b) 500 FT	24 x 14 x 12 Continuous Length		
c) 100 FT	18 x 9 x 8 Continuous Length		
	Spool dimensions may vary slightly.		

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Alpha Wire □□□□2219/27C

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Lead Mercury □□□□□□□□0.1% (1000 ppm) Cadmium Hexavalent Chromium □□□□□□□□0.1% (1000 ppm) Polybrominated Biphenyls (PBB) □□□□□□□□0.1% (1000 ppm) Polybrominated Diphenyl Ethers (PBDE), □□□□□□□□0.1% (1000 ppm) Including Deca-BDE Bis(2-ethylhexyl) phthalate (DEHP) Butyl benzyl phthalate (BBP) Dibutyl phthalate (DBP) □□□□□□□□0.1% (1000 ppm) Diisobutyl phthalate (DIBP)

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