

Customer Specification

PART NO. 2219/27C

Construction

						Diameter ("in")		
1) Component 1						27 x 1 PAIR		
a) Conductor						22 (7/30) AWG Tinned Copper		0.030
b) Insulation						0.010" Wall, Nom. PVC, Semi-Rigid		0.050
(1) Color Code						Alpha Wire Color Code A		
Pair	Color	Pair	Color	Pair	Color			
1	BLACK-RED	10	RED-BLUE	19	WHITE-BLUE			
2	BLACK-WHITE	11	RED-YELLOW	20	WHITE-BROWN			
3	BLACK-GREEN	12	RED-BROWN	21	WHITE-ORANGE			
4	BLACK-BLUE	13	RED-ORANGE	22	WHITE-YELLOW			
5	BLACK-BROWN	14	GREEN-BLUE	23	BLUE-BROWN			
6	BLACK-YELLOW	15	GREEN-WHITE	24	BLUE-ORANGE			
7	BLACK-ORANGE	16	GREEN-BROWN	25	BLUE-YELLOW			
8	RED-GREEN	17	GREEN-ORANGE	26	BROWN-ORANGE			
9	RED-WHITE	18	GREEN-YELLOW	27	BROWN-YELLOW			
c) Pair						2/Cond Cabled Together		
(1) Twists						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.)		
a) Foil Direction						Foil Facing Out		
b) Drain Wire						22 (7/30) AWG Tinned Copper		
4) Jacket						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 upon plant of manufacture.		

Applicable Specifications

1) UL	AWM/STYLE 2576	80°C / 150 V _{RMS}
	CM	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.

www.alphawire.com

Alpha Wire
2200 US Highway 27 South
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Although Alpha Wire ("Alpha") makes every reasonable effort to ensure the accuracy at the time of publication, information and specifications described herein are subject to errors or omissions and to changes without notice, and the listing of such information and specifications does not ensure product availability.

Alpha provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Alpha be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary) whatsoever, even if Alpha had been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

SpecPDFFooterConfidential



Alpha Wire □□□□2219/27C

□□□□

□□□□□

Alpha Wire □□□□□□□□

DeBW

