

□□□□□

 □□□ **5616B2001**

## Construction

						Diameters (In)		
1) Component 1						1 X 1 PAIR		
a) Conductor						20 (7/.0121) AWG Bare Copper		0.036
b) Insulation						0.013" Wall, Nom. PVC/ 0.003" Wall NYLON		0.068
(1) Color(s)								
Pair	Color	Pair	Color	Pair	Color			
1	BLACK-WHITE							
c) Pair						2/Cond Cabled Together		
(1) Twists:						6.0 Twists/foot (min)		
2) Shield:						Alum/Mylar Tape, 25% Overlap, Min.		
a) Foil Direction						Foil Facing In		
b) Drain Wire						22 (7/30) AWG Tinned Copper		
3) Jacket						0.040" Wall, Nom.,PVC		0.220 (0.234 Max.)
a) Color(s)						BLACK		
b) Print						ALPHA WIRE-* P/N 5616B2001 1PR 20 AWG 600V 90C DRY 75C WET SHIELDED SUNLIGHT RESISTANT SUITABLE FOR DIRECT BURIAL CE ROHS * = Factory Code		

## Applicable Specifications

1) Other	Sunlight Resistant	
	Direct Burial	
2) 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 information.

## Properties

Physical & Mechanical Properties	
1) Temperature Range	-20 to 90°C
2) Bend Radius	10X Cable Diameter
3) Pull Tension	21.6 Lbs, Maximum
Electrical Properties	
(For Engineering purposes only)	
1) Voltage Rating	600 V <sub>RMS</sub>
2) Mutual Capacitance	46 pF/ft @1 kHz, Nominal
3) Ground Capacitance	83 pF/ft @1 kHz, Nominal
4) Characteristic Impedance	48 Ω
5) Inductance	0.19 μH/ft, Nominal
6) Conductor DCR	10.5 Ω/1000ft @20°C, Nominal
7) OA Shield DCR	15.5 Ω/1000ft @20°C, Nominal

## Other

Packaging	Flange x Traverse x Barrel (inches)
a) 1000 FT	12 x 10.5 x 5 Continuous length
b) 500 FT	12 x 5.94 x 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>
Notes:	
a) This cable design is based on UL 1277 but the product is not UL Listed.	

[www.alphawire.com](http://www.alphawire.com)

Alpha Wire  
2200 US Highway 27 South  
Richmond, IN 47374

Tel: 1-800-52 ALPHA

Alpha Wire "Alpha"  
Alpha  
Alpha

ALPHA WIRE - CONFIDENTIAL AND PROPRIETARY Notice to persons receiving this document and/or technical information. This document is confidential and is the exclusive property of ALPHA WIRE, and is merely on loan and subject to recall by ALPHA WIRE at any time. By taking possession of this document, the recipient acknowledges and agrees that this document cannot be used in any manner adverse to the interests of ALPHA WIRE, and that no portion of this document may be copied or otherwise reproduced without the prior written consent of ALPHA WIRE. In the case of conflicting contractual provisions, this notice shall govern the status of this document. <br /><br />  
©2019 ALPHA WIRE - all rights reserved.



□□□□□□□□ Dave Watson

2026/6/4