

ALPHA WIRE COMPANY
CUSTOMER PRODUCT SPECIFICATION

Part Numbers: 3582/26 – 3582/60
Spec Number: C3582-26
Page 1 of 2 Pages

Issue: 4
Issue Date: 8/16/2005
Effective Date: 8/16/2005

A. Construction

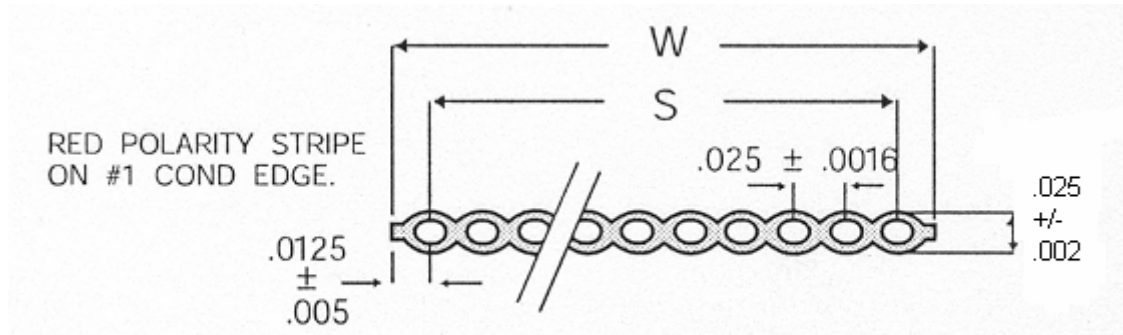
- 1) Conductor
 - a) Material Bare Copper, per ASTM B-3
 - b) AWG, Stranding 30, Solid

- 2) Insulation
 - a) Material Polyvinyl Chloride, Extruded
 - b) Nominal Wall Thickness 0.013
 - c) Min. Point Thickness 0.006
 - d) Diameter 0.027 +/- 0.002
 - e) Color Gray, Red Polarity Stripe on Leading Edge

- 3) Assembly
 - a) Number of Conductors See Table 1
 - b) Configuration Flat Cable
 - c) Center to Center Spacing 0.025 +/- 0.0016
 - d) Width See Table 1
 - e) Span See Table 1
 - f) Surface Print Per Alpha Standard SP-001
 - g) Print Legend ALPHA - *

* - Factory Designation

Part Number	Conductors	Width	Span
3582/26	26	0.650 +/- .005	0.625 +/- .005
3582/40	40	1.000 +.007, -.005	0.975 +/- .005
3582/50	50	1.250 +.010, -.005	1.225 +/- .005
3582/60	60	1.500 +.010, -.005	1.475 +/- .005



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B. Industry Approvals and Ratings

- | | |
|------------------------|---|
| 1) UL | UL Standard 758, AWM Style 2678
VW-1 |
| 2) Voltage Rating | 150 Volts |
| 3) Temperature Rating | 105°C |
| 4) Conductor Unbalance | 5% Maximum |
| 5) Voltage Withstand | 1500 Volts RMS, Minimum |
| 6) Impedance | 78 Ω , Nominal (G-S-G) Single Ended
131 Ω , Nominal (G-S) Differential |
| 7) Capacitance @ 1KHz | 24.9 pf/ft., Nominal (G-S-G)
14.3 pf/ft., Nominal (G-S) |
| 8) Propagation Delay | 1.52 ns/ft., Nominal |
| 9) Skew | 0.036ns/ft., Maximum |

C. Packaging Requirements

- | | |
|---------------------|---|
| 1) Standard Package | 100 feet (Max. 2 of lengths, 25 ft. Min Length) |
|---------------------|---|