

<b>Order code</b>	<b>Manufacturer code</b>	<b>Description</b>
01-1469	n/a	RIBBON CABLE COLOUR 34WAY 30.5M (RC)

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The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

**ALPHA WIRE COMPANY**  
**CUSTOMER PRODUCT SPECIFICATION**

Part Numbers: 3583/9 – 3583/64  
Spec Number: C3583-9  
Page 1 of 2 Pages

Issue: 3  
Issue Date: 4/29/2004  
Effective Date: 5/28/2004

**A. Construction**

- 1) Conductor
  - a) Material Tinned Copper, Per ASTM B-33
  - b) AWG, Stranding 28, 7/36
  
- 2) Insulation
  - a) Material SR-PVC, Extruded
  - b) Min. Avg. Wall Thickness 0.005
  - c) Min. Point Thickness 0.004
  - d) Color Brown, Red, Orange, Yellow, Green, Blue, Violet, Gray, White, Black and repeat.
  
- 3) Covering
  - a) Material PVC, Extruded
  - b) Min. Point Thickness 0.003
  - c) Color Clear
  - d) Diameter 0.036, -0.001/+ 0.002
  
- 4) Assembly
  - a) Number of Conductors See Table 1
  - b) Configuration Flat Cable
  - c) Center to Center Spacing 0.050 +/- 0.003
  - 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 (W)	Span (S)
3583/9	9	.450 +/- .010	.400 +/- .006
3583/10	10	.500 +/- .010	.450 +/- .006
3583/14	14	.700 +/- .010	.650 +/- .006
3583/15	15	.750 +/- .010	.700 +/- .006
3583/16	16	.800 +/- .010	.750 +/- .008
3583/20	20	1.000 +/- .010	.950 +/- .008
3583/24	24	1.200 +/- .010	1.150 +/- .008
3583/25	25	1.250 +/- .010	1.200 +/- .008
3583/26	26	1.300 +/- .010	1.250 +/- .008
3583/34	34	1.700 +/- .012	1.650 +/- .008
3583/37	37	1.850 +/- .012	1.800 +/- .010
3583/40	40	2.000 +/- .012	1.950 +/- .011
3583/50	50	2.500 +/- .016	2.450 +/- .011
3583/60	60	3.000 +/- .016	2.950 +/- .011
3583/64	64	3.200 +/- .013	3.150 +/- .011

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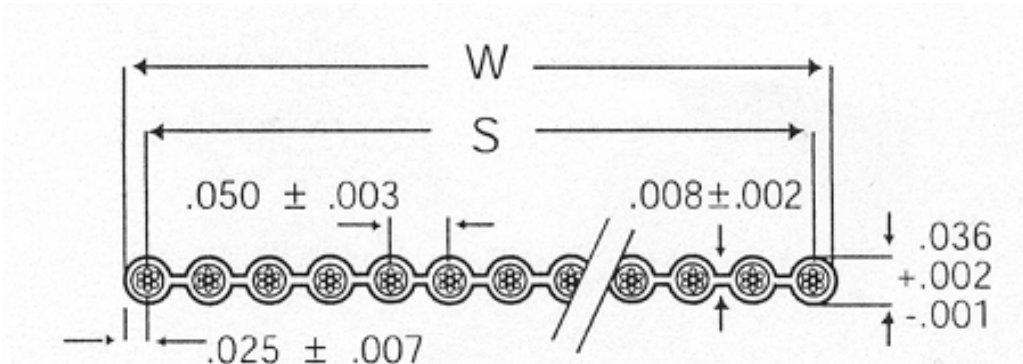
**ALPHA WIRE COMPANY**  
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**B. Industry Approvals and Ratings**

- |                              |  |
|------------------------------|--|
| 1) UL                        | UL Standard 758, AWM Style 20932           |
|                              | VW-1                                       |
| 2) Voltage Rating            | 300 Volts                                  |
| 3) Temperature Rating        | 105°C                                      |
| 4) Conductor Unbalance       | 5% Maximum                                 |
| 5) Voltage Withstand         | 1500 Volts RMS, Minimum                    |
| 6) Impedance                 | 98 $\Omega$ , Nominal (G-S-G) Single Ended |
|                              | 135 $\Omega$ , Nominal (G-S) Differential  |
| 7) Capacitance @ 1KHz        | 14.0 pf/ft., Nominal (G-S-G)               |
|                              | 7.5 pf/ft., Nominal (G-S)                  |
| 8) Propagation Delay         | 1.45 ns/ft., Nominal                       |
| 9) Crosstalk (10 ft. sample) | 3.8% Near End                              |
| @ 10ns Rise Time Pulse       | 2.0% Far End                               |

**C. Packaging Requirements**

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