Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Ratings
Voltage: 300 V
Temperature: 80 °C

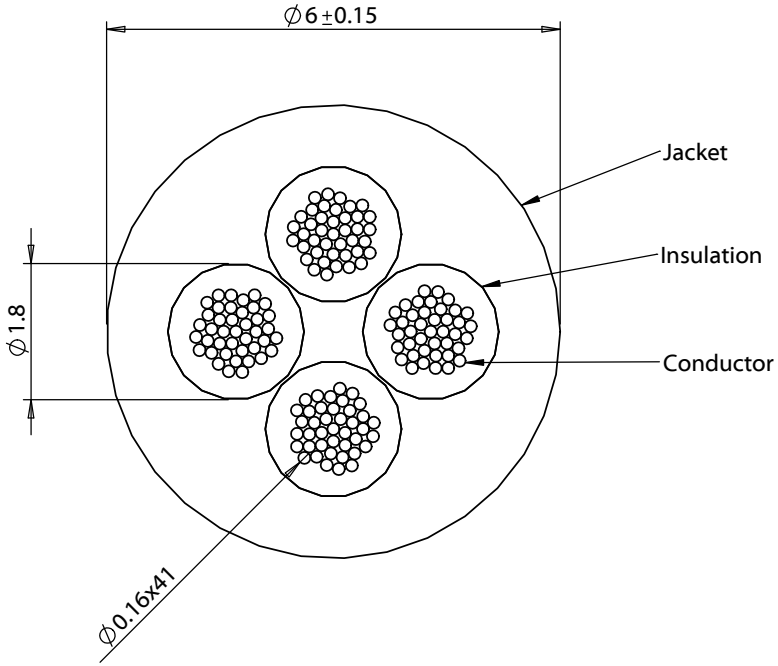
Conductor
Gauge: 18 AWG
Material: tinned copper strands
Strand size: Ø 0.16 mm
Strand count: 41

Insulator
Material: PVC, 80 °C
Color: black, white, red, yellow
Nominal thickness: 0.23 mm
Outer diameter: 1.80 mm

Outer jacket
Material: PVC, 80 °C
Color: black
Thickness: 0.76 mm
Diameter: 6.0 ±0.15 mm
Durometer: 91 Shore A

Wire marking: E339579 AWM STYLE 2464 18AWG 80°C 300V VW-1 - - - C AWM I A 80°C 300V FT1 LF TENSILITY HLE

Tests
Voltage test: 300 V
Spark test: 3.0 kV
Max resistance at 20 °C: 23.2 ohm/km
Insulation tensile strength: 2.11 kgf/mm²
Jacket tensile strength: 1.05 kgf/mm²
After aging at 113 ±2 °C for 7 days:
Minimum tensile strength 70 % original
Minimum elongation 65 % original
Heat shock: 121 ±1 °C /1 hour, no observed degradation
Deformation: 121 ±1 °C /1 hour, ≤ 50 %
Cold bend: -10 ±1 °C /1 hour, no observed cracking
Flammability: VW-1
Dielectric test: 2000 V ac for 1 minute without breakdown



REVISION	DATE	DESCRIPTION
A	06/25/2014	Initial release

PREPARED:
AG
2014.06.25 13:43:49 -07'00'

VERIFIED:
JM
2014.06.30 09:13:02 -07'00'

DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

NOTES:
RoHS and REACH compliant

Electrical test: no open, no short circuit, no intermittent

DESCRIPTION:
Wire, 4C TS, 18 AWG, UL2464, 300V, 80C, 6.0 mm, VW-1, PVC, 91A

TENSILITY
20802 Sockeye Place #130
Bend, OR 97701 USA
tel 541.323.3228 *fax* 541.323.4202
800 877.670.7118 www.tensility.com

SIZE	PART NUMBER
A	**30-00380**

SCALE: 10:1	WEIGHT:	SHEET 1 OF 1

5 4 3 2 1