



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**

Temperature: 0 ~ 70 °C

**Conductor**Gauge: 28 AWG, 0.081 mm<sup>2</sup>

Material: tinned copper strands

Stranding:  $\phi 0.05 \times 40$ Resistance at 20 °C: 240  $\Omega$ /km**Insulator**

Material: HDPE

Color: black, white, yellow, red

Outer diameter:  $\phi 0.7 \pm 0.10$  mm

Nominal thickness: 0.15 mm

Resistance at 20 °C: 1000 M $\Omega$ /km**Shield**

Type: spiral

Material: tinned copper strands

Strand size:  $\phi 0.08$  mm

Coverage: 90 % minimum

**Outer jacket**

Material: TPU, 70 °C

Color: black

Nominal thickness: 0.50 mm

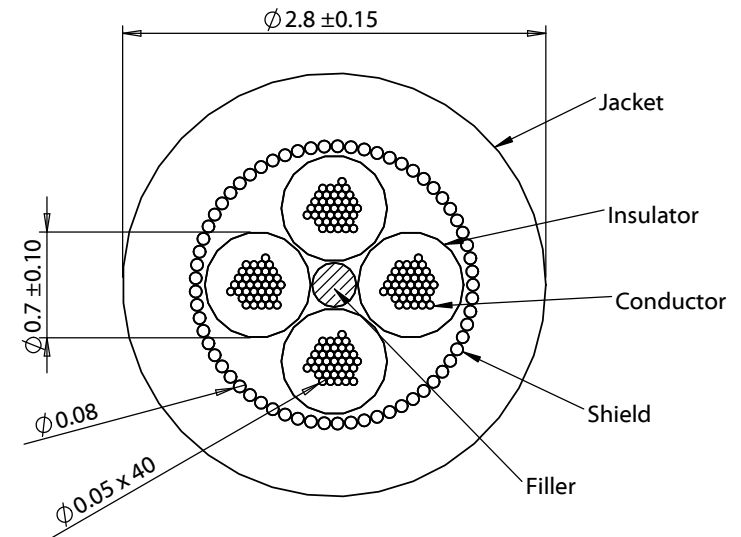
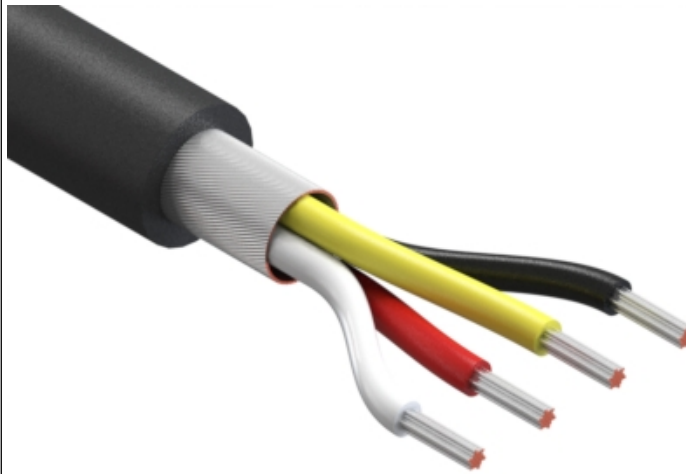
Diameter:  $\phi 2.8 \pm 0.15$  mm**Filler**

Material: kevlar

**Tests**

Tensile strength: 35.7 kgf

Dielectric test: 1500 V dc for 1 minute without breakdown

Bend test at 200 g,  $\pm 90^\circ$ , 30 cycles /min: 15,000 cycle minimum

REVISION	DATE	DESCRIPTION
A	7/31/2015	Initial release
A1	1/13/2016	Updated notes, corrected tolerances

PREPARED:  
**AG** 2016.01.13  
17:13:23  
-08'00'

VERIFIED:  
**LA** Digitally signed by LA  
DN: cn=LA, o=Tensility,  
ou=engineering,  
email=04002@Tensility.com, c=US  
Date: 2016.01.13 17:16:06 -08'00'

DIMENSIONS ARE IN  
MILLIMETERS

TOLERANCES:  
X:  $\pm 0.5$  mm  
X.X:  $\pm 0.3$  mm  
X.XX:  $\pm 0.05$  mm

NOTES  
RoHS and REACH compliant  
Jacket meets ISO 10993 for biological compatibility  
Phthalate and halogen free  
Function test: no open, no short, no intermittent

DESCRIPTION:  
Wire, 4C TS, 28 AWG, 150V, 70C, 2.8 mm, spiral  
shield, TPU

**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	30-00491

SCALE: 1:1 SHEET 1 OF 1