

## Tasker and the Digital Video Standards evolution

Since the SMPTE has standardized the serial digital interface (SDI) in 1989, we have come a long way in terms of resolution and quality of video transmissions. Few years ago, the reference standard in the broadcast was the 3G-SDI but for a few years now, we can count on the new frontier of the 6 and 12G-SDI interfaces that allow shooting professionally directly in 4K resolution.

Tasker, with its long history, has been following since its beginnings the development of coaxial cables perfect to support these technologies, providing its customer with a range of over twenty kinds of cables for high-resolution video transmission.

Speaking about the 3G-SDI standard, our flagship product is the tasker TSK1078 L.S.Z.H., a double-shielded coax with dimensions of 0.80/3.50/7.00 mm, ideal for applications up to 120 meters.

This product is also available with polyurethane (PUR) sheath, resistant to flame, UV rays, oils, and water, chemical and atmospheric agents. In addition to being Halogen free, it can be installed in immersion up to 50 meters depth, it is suitable for both cold, and hot applications thanks to its temperature range of 40 / +80 °C. The both versions, with PUR and L.S.Z.H. sheaths, can be equipped with external metal armor braid reinforcement for underground installation even in the presence of rodents.

Over the years, the needs of our customers have led us to develop different types of compound cables that allow you to have different services in a single cable, such as the TSK1091 series where we offer six different combinations of 3G-SDI coaxial cables and DMX audio, from one to four conductors.

The TSK1070 LSZH has also proved to be a great success as it allows us to supply a 3x2.50 mm<sup>2</sup> power, a LAN cable Cat.7 S./F.T.P. and our best SDI coaxial, the T42.

This is an extremely flexible cable with 26/7 AWG (0.80 mm) stranded formation in O.F.C. red copper, with dielectric in injected gas PE of 4,80 mm and double O.F.C. tinned copper braid with a coverage of 89% and 86% respectively. The sheath is available in Polyurethane (PUR), with all the features listed above or in soft PVC that allows us to enhance its softness even further.

The T42 PUR is suitable for installations on professional cable reels for broadcast but also for the drag chain with efficiency tests performed at 500000 cycles with a maximum speed of 3.3 m / s and maximum acceleration of 4.0 m / s<sup>2</sup>.

Among the 2019 news, we also present the multiple versions of the tasker T42, composed of 4 coax T42 with polyurethane sheath assembled together under a second PUR sheath or alternatively with external sheath in soft PVC.

The latest studies and tests have shown that the T42 is able to work at the frequencies and transmission speeds imposed by the latest SMPTE standards such as the 6G-SDI and the 12G-SDI up to 70 meters.

Tasker daily strives to research and develop new products and materials, also creating custom productions, which allow you to have specific solution for the single customer and to anticipate upcoming technologies, providing new products to meet the needs of today and tomorrow.

We are always ready to realize custom cables with production and delivery time that never exceed 20 working days.

What are you waiting for?! Visit our new [tasker.it](http://tasker.it) website to fully immerse yourself in a world of quality and precision that counts thousands of products always available in stock.