

Fiche produits / Product description

**TISA-BRAID® GTB58**

SCREENING BRAID

**-65°C +150°C**

## FEATURES AND ASSETS:

- **Expandable tubular sleeving**
- **High protection against electromagnetic interferences (EMI)**
- **Easy to install**
- **Supplied round on plastic former**

## TYPICAL APPLICATIONS:

- **EMI screening**

## MARKETS

- **Aerospace**
- **Marine**
- **Military**



GTB58 screening braids are tested and certified to VG 96936-10

**CHARACTERISTICS****CONSTRUCTION**

■ Main products : refer to table

**PHYSICAL-CHEMICAL**

■ Continuous working temperatures :  
-65°C to +150°C

**PRODUCTS**

■ The sheath is braided on an easy removable polyolefin or PVC former.

**PACKAGING**

■ Spools

**OPTIONS**

- Other inner diameters and stranding : consult us
- Sheaths supplied in cut lengths : consult us
- Tubular sheath of bare, nickel-plated or silver plated copper

**EMI REQUIREMENTS**

- Optical cover : Between 96% and 99%
- Shielding effectiveness from 50 to 95dB according to diameter and frequencies

**APPLICATIONS**

- Interferences suppression, earth, ground wire, sheathing of cable bundles.
- Mechanical protection of cable bundles

**STANDARDS OR SPECIFICATIONS**

- Qualification approval VG 96936-10/type A



# TISA-BRAID® GTB58

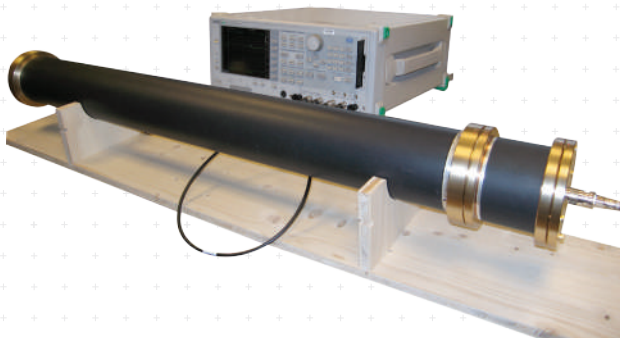
VG CROSS REFERENCE	SUPPLIED DIAMETER (mm.)	MAXIMAL TRANSFER IMPEDANCE ( $Z_t$ ) AT 30 MHz ( $m\Omega/m$ )	MINIMUM SHIELDING EFFECTIVENESS (SE) AT 30 MHz (dB)	MAXIMUM RESISTANCE AT 20°C AT SUPPLIED DIAMETER ( $\Omega/km$ )
VG 96936 T10 A001A	3	220	53	17
VG 96936 T10 A002A	4	200	54	10,30
VG 96936 T10 A003A	6	200	54	8
VG 96936 T10 A004A	7,5	120	58	5,20
VG 96936 T10 A005A	10	90	61	3,96
VG 96936 T10 A006A	12,5	75	62	3,23
VG 96936 T10 A007A	20	75	62	2,32

Transfer impedance and shielding effectiveness values are relative to the application range as detailed in the VG 96936-10 specification.

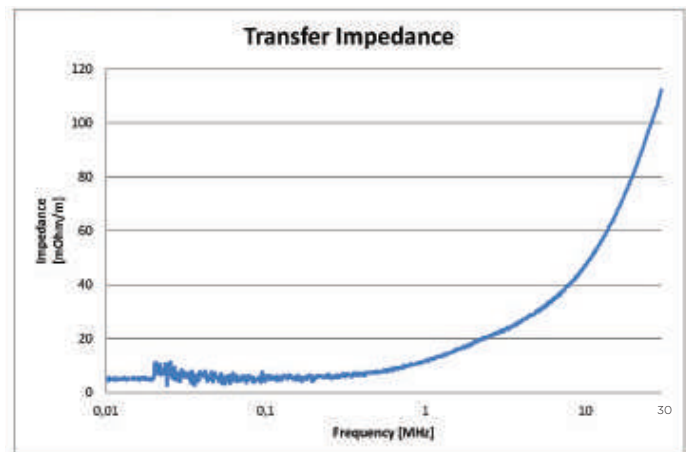
REFERENCES	NOMINAL DIAMETER ON FORMER (mm.)	VG 96936-10 APPLICATION RANGE (mm.)	NOMINAL DIAMETER OF SINGLE STRAND OF SCREEN (mm.)	SCHLAUCH VG CROSS REFERENCE	INDICATIVE GROSS WEIGHT (kg/100m)	SPOOLS (m.)
GTB58 - 38T030/500	3	3,5 - 5,0	0,10	VG 96936 T10 A001A	1,85	500
GTB58 - 36T040/500	4	4,5 - 7,0	0,13	VG 96936 T10 A002A	3,00	500
GTB58 - 36T060/500	6	5,5 - 8,5	0,13	VG 96936 T10 A003A	3,65	500
GTB58 - 36T075/500	7,5	7,5 - 13,5	0,13	VG 96936 T10 A004A	7,10	500
GTB58 - 36T0100/250	10	13 - 17,5	0,13	VG 96936 T10 A005A	9,55	250
GTB58 - 36T0125/200	12,5	15 - 19,5	0,13	VG 96936 T10 A006A	10,00	200
GTB58 - 36T0200/100	20	19 - 30	0,13	VG 96936 T10 A007A	26,45	100

The screening performance of GTB58 braid has been independently tested and verified using an industry standard triaxial test method (IEC 62153-4-3-2006)

## GTB58 - 36T075



Triaxial Test Equipment used for determining transfer impedance.



These figures are those of our standard TISA-BRAID® GTB58 range. Please contact us for special construction.