

# METALTRESSE®

HIGH-PERFORMANCE METALLIC BRAIDS

-60°C TO +250°C



**HIGH TEMPERATURES  
ELECTROMAGNETIC AND  
MECHANICAL PROTECTION  
EXCELLENT FLEXIBILITY**

## **METALTRESSE®**

*Electromagnetic and mechanical  
protection of cable harnesses  
for optimum signal transmission  
in extreme use conditions*



CABLES FOR GLOBAL  
PERFORMANCE

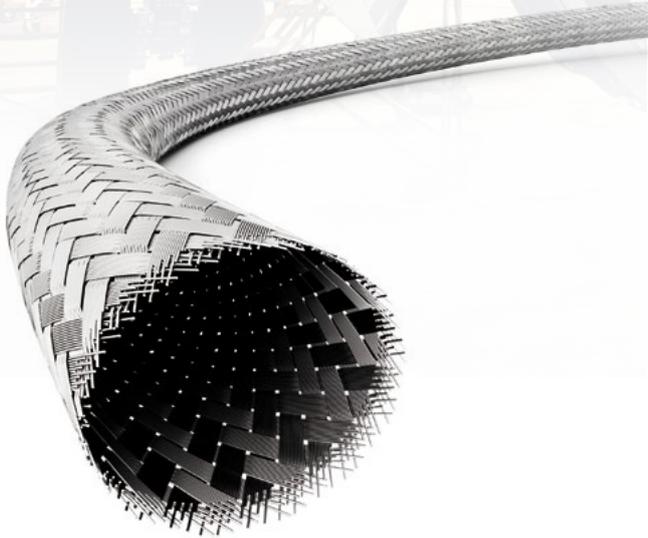
# METALTRESSE®

HIGH-PERFORMANCE METALLIC BRAIDS

-60°C TO +250°C

## TECHNICAL EXPERTISE

The **METALTRESSE®** range comprises tubular metal braids that are both highly efficient and resistant to high temperatures (-90°C to +250°C). Developed with the technical expertise of our laboratory engineers, **METALTRESSE®** provides excellent electromagnetic and mechanical protection of cable harnesses to ensure optimum signal transmission in extreme use conditions.



## HIGH PERFORMANCE

The **METALTRESSE®** has outstanding advantages:

- ✓ Very high temperature resistance
- ✓ Excellent electromagnetic protection (high-coverage shielding)
- ✓ High mechanical strength
- ✓ High flexibility

The **METALTRESSE®** is an excellent solution for the demanding requirements of technological applications in the defence and aerospace industries.

We can study customised solutions (type of strand, type of metal, special covering, dimensions, impedance of characterised transfer, etc.).

## THERE ARE TWO VERSIONS OF METALTRESSE®:

### METALTRESSE® GTCN

- ✓ Protection screen by CuNi braid, with 96% braid coverage
- ✓ Guaranteed nickel thickness of 1.27 µm
- ✓ Operating temperature: -60°C to +250°C

### METALTRESSE® GTCA

- ✓ Protection screen by CuAg braid, with 96% braid coverage
- ✓ GTCA 150: guaranteed silver thickness of 1.50 µm
- ✓ GTCA 200: guaranteed silver thickness of 2.00 µm
- ✓ Operating temperature: -60°C to +200°C

✓ **Contact us to define with our sales engineers the product best suited to your application.**

The **METALTRESSE®** is supplied on a thermoplastic former in order to maintain physical integrity and to aid application.

## CONSTRUCTION AND MAIN CHARACTERISTICS

Reference	Internal diameter (mm)	Number of wires (minimum)	Wire diameter (mm)	Linear weight* (kg/km)	GTCN	GTCA
					Max. linear resistance at 20°C (Ω/km)	Max. linear resistance at 20°C (Ω/km)
GTCN/GTCA	2	80	13 / 100	11	26	19
GTCN/GTCA	4	128	15 / 100	23	19	9.3
GTCN/GTCA	6	168	15 / 100	34	12	7.9
GTCN/GTCA	8	168	20 / 100	60	10	4.3
GTCN/GTCA	10	216	20 / 100	73	7.6	3.2
GTCN/GTCA	12	256	20 / 100	88	6.5	2.7
GTCN/GTCA	14	256	20 / 100	102	5.6	3.2
GTCN/GTCA	15	336	20 / 100	109	4.6	2.0
GTCN/GTCA	16	336	20 / 100	116	4.0	2.1
GTCN/GTCA	18	336	20 / 100	130	3.5	1.8
GTCN/GTCA	20	448	20 / 100	145	2.4	1.6

\*Approximate linear weight excluding internal thermoplastic former



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