ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

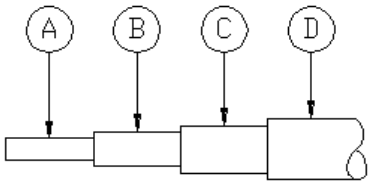
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Carlisle / Tensolite 601* at our website: *Click HERE*

TENSOLITE CABLE DATA SHEET



CABLE CODE:	601
CATEGORY:	SEMI-FLEX(R)
DESCRIPTION:	.141 RIGID TYPE
IMPEDANCE:	50 OHMS
MAX. OD:	0.141 INCHES
MAX. OPERATING FREQ.:	18 GHz.
CUT OFF FREQ.:	34.4 GHz.
CLAMP CABLE GROUP:	N/A
SOLDER CABLE GROUP:	601, 976
CRIMP CABLE GROUP:	N/A
MIL SPEC:	N/A
FLORIDA PART X REF.:	N/A

ITEM	MATERIAL	SIZE
A. CENTER CONDUCTOR	SILVER PLATED COPPER CLAD STEEL	0.036
B. DIELECTRIC:	SOLID PTFE	0.117
C. OUTER BRAID:	COPPER / POLYESTER FOIL	0.127
D. JACKET:	TIN FILLED HIGH STRENGTH WIRE BRAID	0.139

MECHANICAL CHARACTERISTICS:

OUTER CONDUCTOR INTEGRITY:	60	POUNDS MINIMUM AXIAL PULL	
MINIMUM BEND RADIUS (ONE TIME):	0.19	INCHES	FIXED INSTALLATION
PREFERRED BEND RADIUS:	0.50	INCHES	
TEMPERATURE RANGE:	-50 / +200	DEGREES CELSIUS	
WEIGHT MAXIMUM:	0.030	POUNDS PER FOOT	

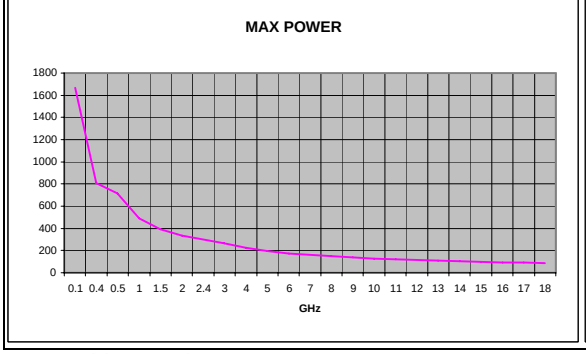
ELECTRICAL CHARACTERISTICS:

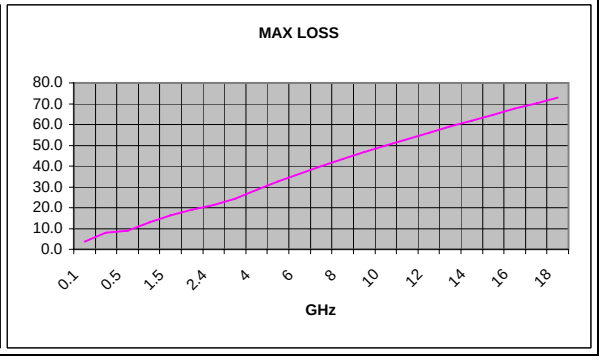
CENTER CONDUCTOR DC RESISTANCE	1.20	OHMS / 100 FEET NOMINAL		
OUTER CONDUCTOR DC RESISTANCE	0.08	OHMS / 100 FEET NOMINAL		
NOMINAL IMPEDANCE:	50	OHMS		
NOMINAL CAPACITANCE:	28.7	pf / FT.		
NOMINAL INDUCTANCE:	0.072	uh / FT		
NOMINAL VELOCITY OF PROPAGATION:	70.7	%		
NOMINAL DELAY:	1.44	nS / FT.		
MAXIMUM OPERATING VOLTAGE:	2627	VRMS		
MAXIMUM CW POWER RATING:	88	WATTS AT	18	GHz
MAXIMUM RETURN LOSS:	-22	dB AT	18	GHz
MAXIMUM INSERTION LOSS:	73.0	dB / 100 FT AT	18	GHz
NOMINAL INSERTION LOSS:	68.8	dB / 100 FT AT	18	GHz

To calculate maximum insertion loss at any frequency use the formula below:

11.719	times square root of freq. +	1.292	times freq. +	0 = dB/100'
RELATIVE SHIELDING:	-100	dB	DOUBLE	SHIELDED

FEATURES: SEMI-RIGID REPLACEMENT CABLE. MEETS VW1 REQUIREMENTS PER AWM 10245. EASILY FORMS INTO DESIRED SHAPE AND MAINTAINS ELECTRICAL PERFORMANCE





Data subject to change

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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