

Clarity™ Series 18, 26.5, and 40 GHz Test Cables



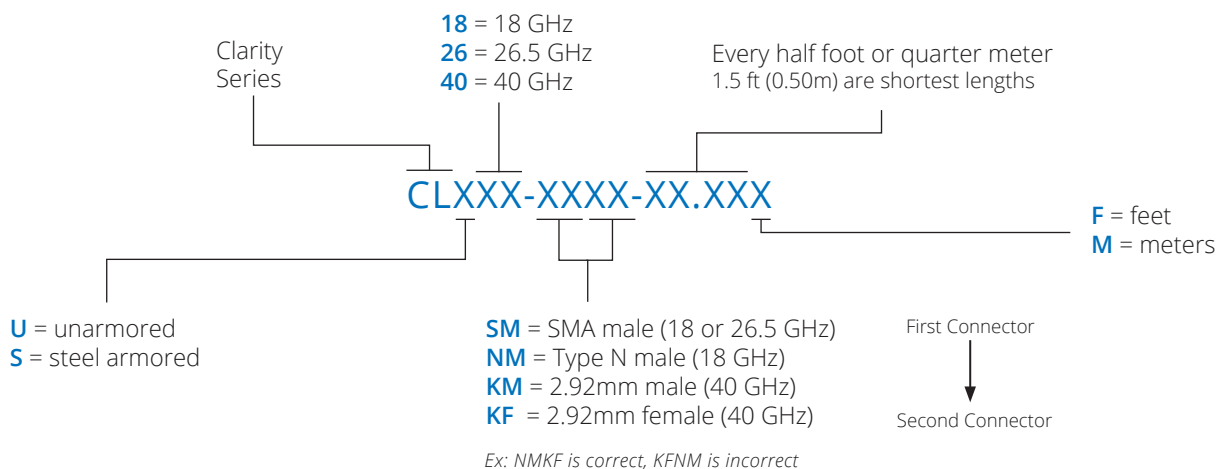
Applications :

- Research & Development Labs
- VNA Test Port Extension cables
- Scalar Analyzers
- High Volume Production Test
- System Level RF Connection
- Test Rack Interconnect
- Bench or Portable Test Equipment
- Antenna Ranges
- Anechoic Chambers
- RF Module Testing

When everything is important, Times new Clarity™ Series is the clear choice. Industry-leading performance, unparalleled value, and stock to 4-week lead times.

- Broad Frequency Response
- Ruggedness & Durability
- Wide Temperature Range
- Crush & Kink Resistance
- Torque Resistance
- Connector retention
- Low Attenuation
- RF stability with flexure
- Consistency
- Reliability
- Flexibility
- Ergonomics
- Aesthetics
- Lead Time
- Cost of ownership

Ordering Information:



FEATURES AND BENEFITS

FEATURES

BENEFITS

Low Loss

Better phase stability over temp vs solid core cables. Better dynamic range for longer cables vs solid core

Optimized cable size

Coax diameter makes the loss competitive with Gore for 18, 26.5 and 40 GHz. Armor diameter is smaller than Gore's 18 GHz armored cable.

Highly RF stable with flexure

More accurate DUT measurement results

Armor option

Improves flex life by helping limit overbending and protects the cable from damage due to torque or twist

PTFE outer braid cover

Abrasion resistant, handsome design

Ergonomic, injection molded strain relief

Thoughtful design. Easier to hold securely while tightening & loosening nut. Very smooth transition from conn to cable. Does not interfere with using a wrench

Much longer, integral knurl on coupling nut

Thoughtful design. Far easier to grip and tighten by hand REPEATEDLY without fingertip pain or soreness

Connector selection

Currently SMA, N and K. Coming soon: 3.5 and 2.4 series, plus ruggedized female versions for 3.5, 2.92 (K) and 2.4mm

Prices

More than competitive with Gore when compared to their closest equivalent, guaranteed performance product

Lead time

Stock (Digi-Key) on popular lengths and 4 weeks from the factory (TMC)

GORE COMPARISON

40 GHz			
	Gore 0D Series	Gore 0N Series	Clarity
Guaranteed Stability	Yes	No	Yes
Price: (1 pc, 3ft, disty)	\$1,415	\$490	\$650
Loss (db, 3ft, typical)	3.35	3.21	2.3
Phase Stability (deg, typical)	+/-5	+/-5	+/- 2.0
Amplitude Stability (db, typ)	+/- 0.05	+/- 0.05	+/-0.04
VSWR (typical)	1.3	1.25	1.25
Aarmor/no Aarmor	Aarmor	No armor	Both
Velocity	85	85	78
Flex Life (Guaranteed)	20,000	N/a	*50,000
Outside diameter (Armor)	0.240"	N/a	0.290"
Outside diameter (Unarmor)	N/a	0.210"	0.190"

*Unarmored flex life 25,000 guaranteed

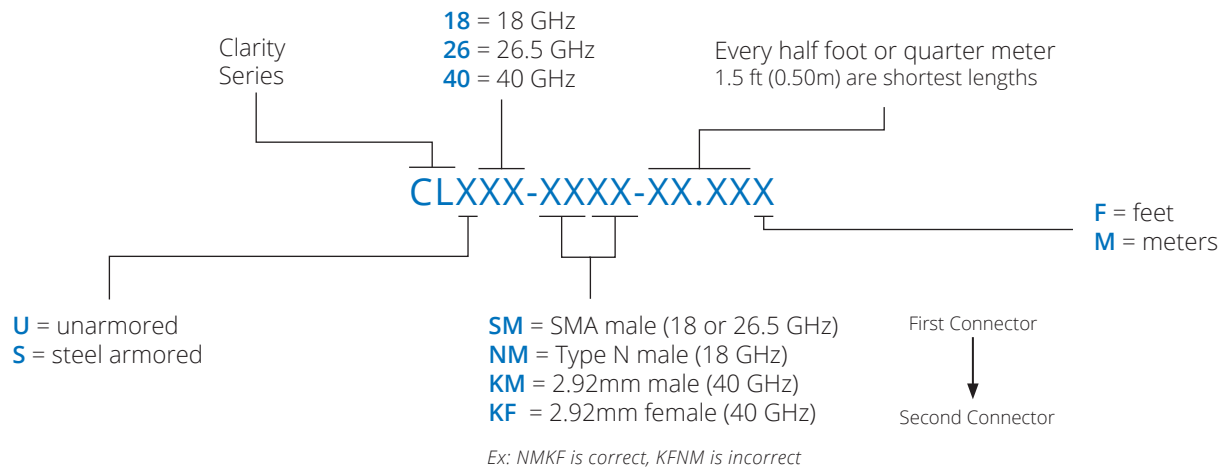
18 GHz			
	Gore 0U Series	Gore 0H Series	Clarity
Guaranteed Stability	Yes	No	Yes
Price: (1 pc, 3ft, disty)	\$586	\$541	\$395
Loss (db, 3ft, typical)	1.36	0.72	0.5
Phase Stability (deg, typical)	+/-2	+/-2	+/- 1
Amplitude Stability (db, typ)	+/- 0.05	+/- 0.05	+/-0.02
VSWR (typical)	1.19	1.19	1.18
Aarmor/no Aarmor	Aarmor	No armor	Both
Velocity	85	85	78
Flex Life (Guaranteed)	100,000	N/a	*50,000
Outside Diameter (Armor)	0.305"	N/a	0.290"
Outside Diameter (Unarmor)	N/a	0.210"	0.190"

*Unarmored flex life 25,000 guaranteed

New, Gore 0N series
Thin cable. Weak strain relief



Ordering Information:



PRICING EXAMPLE

UNARMORED	1-4 pcs
CLU18-SMSM-03.00F	\$251.00
CLU18-SMNM-03.00F	\$251.00
CLU18-NMNM-04.00F	\$283.00
CLU26-SMSM-03.00F	\$299.00
CLU26-SMSM-04.00F	\$338.00
CLU40-KMKM-02.00F	\$313.00
CLU40-KMKM-03.00F	\$352.00
CLU40-KMKF-02.00F	\$313.00
CLU40-KMKF-03.00F	\$352.00

ARMORED	1-4 pcs
CLS18-SMSM-03.00F	\$399.00
CLS18-SMNM-03.00F	\$445.00
CLS18-NMNM-04.00F	\$490.00
CLS26-SMSM-03.00F	\$499.00
CLS26-SMSM-04.00F	\$556.00
CLS40-KMKM-02.00F	\$585.00
CLS40-KMKM-03.00F	\$650.00
CLS40-KMKF-02.00F	\$585.00
CLS40-KMKF-03.00F	\$650.00