

TCOW-600

ISO 9001 Certified

- *Rugged feeder cable for COW - Cell On Wheels applications*
- *Superior to 1/2" superflex corrugated cable*
 - *More Flexible*
 - *Lower Loss*
 - *Better connector retention*
 - *Longer life*
- *Stable PIM performance*
- *Available as custom, factory built and tested assemblies*
- *7-16 DIN and N connectors available*

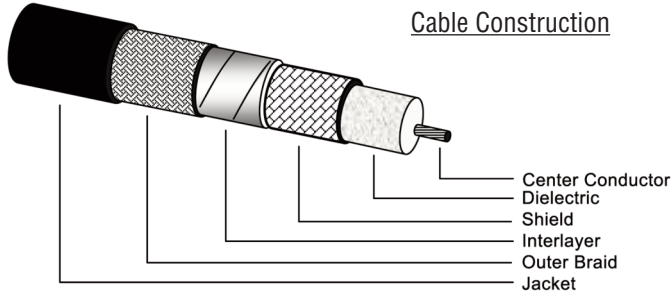


TCOW custom cable assemblies are made from TCOM-600-FlexStrand cable which was developed for military field deployable systems. It has been used successfully for more than 20 years in programs such as MSE (Mobile Subscriber Equipment) and Patriot Missile. This battle field proven construction is ideal for holding up to the rigors of use on mobile cell sites with retractable masts.

The assemblies are fabricated to customer requirements and tested for VSWR, insertion loss and PIM. Typical test results are shown on the back side of the sheet. Minimum PIM is -145 dBc static and dynamic. Typical values are better than -160 dBc. The cable to connector interface is protected by a double layer of shrink tubing. TCOW assemblies will improve the performance and reliability of your mobile cell site!

TCOW-600

Specifications:

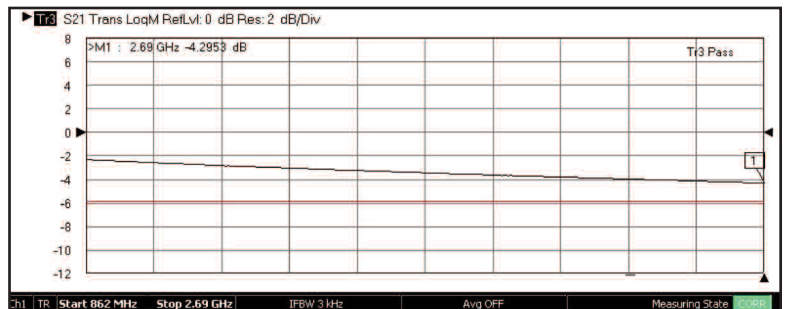
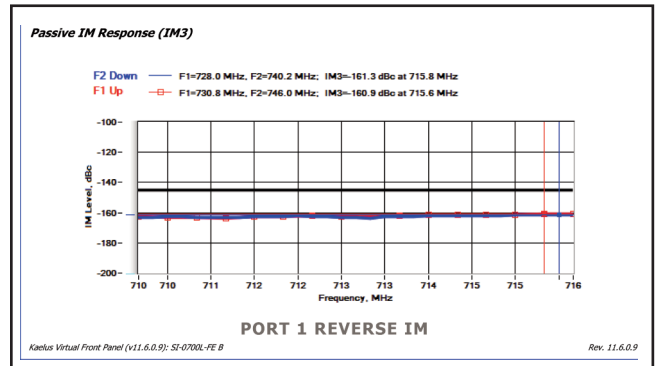
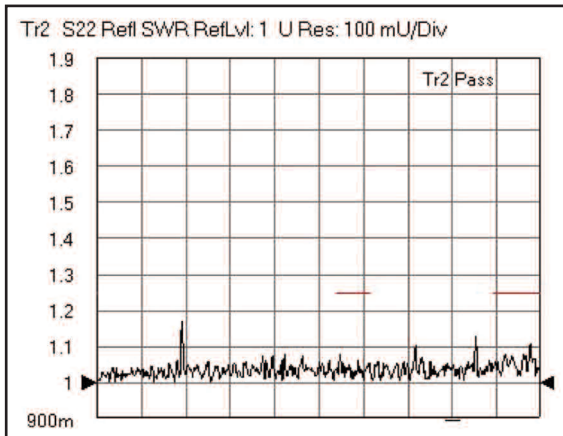


Connector Strain Relief



Physical Specifications		TCOM-600-FS	
Drawing Number:	AA-6296		
Dimensions:	in	(mm)	
Center Conductor: Stranded silver plated copper	0.177	4.5	
Dielectric: PE foam	0.454	11.5	
Shield: SPC flat braid	0.466	11.8	
Interlayer: Metalized polyester	0.471	11.9	
Outer Braid: Tin plated copper braid	0.500	12.7	
Jacket: Black FR polyurethane	0.590	15	
Mechanical Specifications			
Bend Radius:	3	76	
Weight:	220 lbs / 1000 ft		
Operating Temperature Range °C/°F	-55 to + 85° C		
Electrical Specifications			
Velocity of Propagation:	83%		
Impedance:	50 Ohms		
Capacitance:)	24.1 pf/ft		
Shielding Effectiveness:	90 dB		
Attenuation:	dB/100ft		
	800 MHz	2.1	
	1850 MHz	4.61	
	2500 MHz	5.45	

Electrical Performance of 80 ft 7-16 DIN/7-16 DIN Assembly



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