

N Male Connector for 1/2" Coaxial Cable, OMNI FIT™ Premium,

Straight, O-Ring and 360° compression sealing

connector-cable interface while simpli All RFS connectors are fully tested for	fying and speed	
specifications.		
	quirements an	d covers high frequencies as well as legacy
applications. Sealing against outer cor	ductor and jac	ket by means of o-ring and 360° compression
fit.		
FEATURES / BENEFITS		
		ce leading to high customer satisfaction
 Iwo-piece design i.e. visual inspection OMNI FIT[™] concept i.e. streamlined 		ng leads to improved installation security
	-	n, i.e. reduced efforts during installation and
improved security during operation		
	esistance again	st corrosion even under hardest climatic and
environmental circumstances	0	
• Multi-thread (Tristart) design i.e. sim		
RoHS (EU) and CRoHS (China) compl	iant i.e. can be	used on a global basis
External Document Links		Notes
Installation Instruction		
Technical features		
GENERAL SPECIFICATIONS		
Transmission Line Type		Coaxial Cable
Cable Size		1/2
Cable Type		Foam Dielectric Superflexible
Model Series		SCF12-50 Series
Connector Interface		Ν
Connector Type		OMNI FIT™ PREMIUM Straight
Sealing Method		O-ring + 360° Compression
Gender		Male
ELECTRICAL SPECIFICATIONS		
Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-158 ; typical -162
Maximum Frequency	GHz	6.0
		0 < f ≤ 1.0 GHz: 1.02 (40)
VSWR, Return Loss	VSWR (dB)	1.0 < f ≤ 2.2 GHz: 1.03 (37)
		2.2 < f ≤ 2.7 GHz: 1.03 (36)
		2.7 < f ≤ 3.8 GHz: 1.07 (30)
		3.8 < f ≤ 5.0 GHz: 1.11 (26)
		5.0 < f ≤ 6.0 GHz: 1.15 (23)

NM-SCF12-E01

REV DATE : 18 Feb 2020



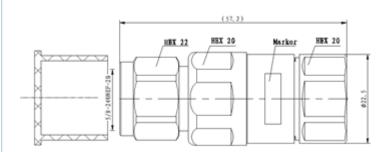


PRODUCT DATASHEET **NM-SCF12-E01** N Male Connector for 1/2" Coaxial Cable, OMNI FIT[™] Premium, Straight, O-Ring and 360° compression sealing

MECHANICAL SPECIFICATIONS			
Plating Outer/Inner		Tri metal alloy / Silver	
Length	mm (in)	57.2 (2.25)	
Outer Diameter	mm (in)	22.5 (0.89)	
Inner Contact Attachment		Spring Finger	
Outer Contact Attachment		360° clamping	
ACCESSORIES			
Wrench size front	mm (in)	20 / 22	
Wrench size rear	mm (in)	20	
Trimming Tool		TRIM-12-S06 TRIM-SCF12-D01-A	

TESTING AND ENVIRONMENTAL

Waterproof Level



NM-SCF12-E01

REV : A

REV DATE : 18 Feb 2020

IP68

www.rfstechnologies.com