

Double isolated TV/Radio Outlets

Naval double galvanically isolated outlets N1 with IEC 9.5 mm connectors or F-connectors are a new series that have been designed especially for marine use and covers the complete TV-Radio frequencies of 0.1–890 MHz world-wide.

N1 is galvanically double isolated to avoid problems with interference and grounding which are quite common in larger systems.

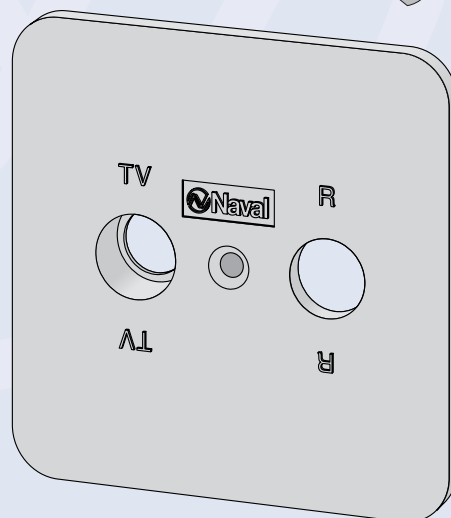
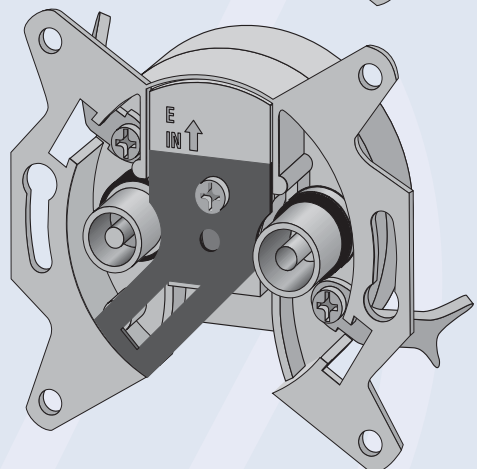
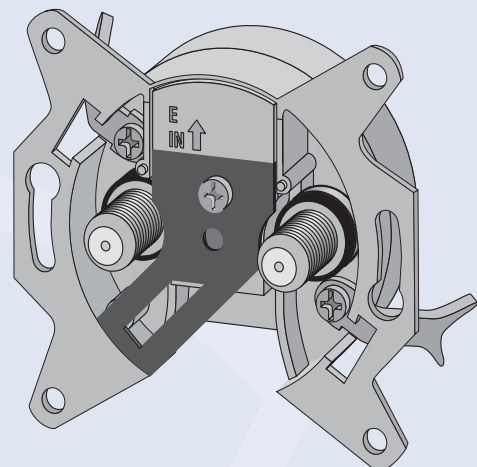
The outlet has improved RL and surge protection which makes it especially suitable for digital signals.

N1 is for star net only, where each output from a tap-off or a splitter can feed max. one N1.

The frame called N, for surface mounting, is designed to fit all the Naval outlets. It is manufactured in white plastic RAL 1013. The standard supply of Naval outlets includes a full size white cover RAL 1013 (76 x 76 mm). N1 need not be terminated.

TECHNICAL SPECIFICATIONS N1

Frequency range:	TV	47–68 MHz; 130–890 MHz	
	R	0.1–30 MHz, 88–120 MHz	
Through loss:	In-TV	47–68 MHz	1 dB nom. 2.8 dB max.
		130–890 MHz	1 dB nom. 1.5 dB max.
	In-R	0.1–30 MHz	2.5 dB nom. 4 dB max.
		88–108 MHz	1 dB nom. 1.8 dB max.
Isolation:	TV-R		12 dB min.
Return loss:	In	5–890 MHz	10 dB min.
		47–68 MHz	10 dB min.
	TV	130–890 MHz	14 dB min.
		88–108 MHz	10 dB min.
Connectors:	Input		Terminal block
	TV		"F" Female/IEC male
	R		"F" Female/IEC female
			75 Ohms
Impedance:			
Galvanic isolation:	400 V		
	Optional 2.5 kV with reduced frequency range only special order		
Screening factor:	TV	35 dB	
	R	43 dB	
Operating temp.:		-40 – +60°C	
Weight:		110 g	



Size: (H) 76 x (W) 76 x (D) 32 mm

0702

Since 1971, the objective of Naval Electronics has been to offer the best possible products for TV and Radio reception at sea. Naval began with omnidirectional antennas and is the world leader in this field of technology today. Now, with an expanded product range, the name Naval means much more than antennas. Naval operates in more than 40 countries and has installations on thousands of vessels all over the world.

All specifications stated are subject to change without notice.

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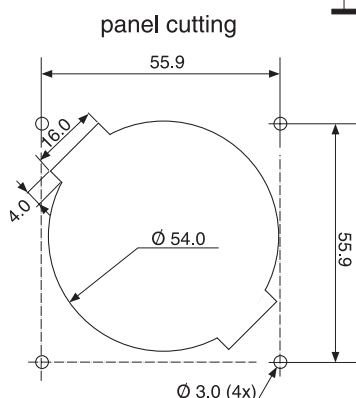
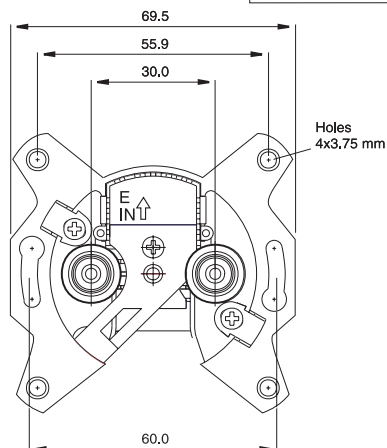
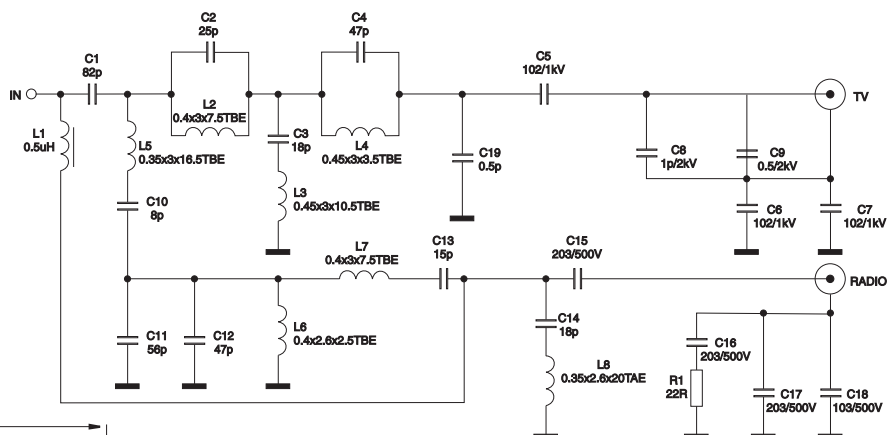
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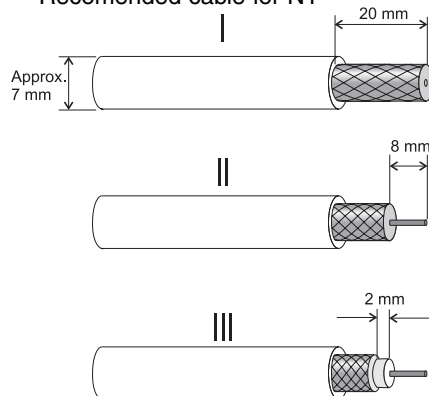


7104

N1 Schematic



Recomended cable for N1



Frame N for surface mounting

