



Grounding RJ45 ruggedized jacks

Many applications that require the use of higher data rates require proper grounding and shielding. To address this, L-com offers our Zinc-Nickel finished line of RJ45 Ruggedized jacks which are designed to establish sufficient grounding between shielded cord sets and chassis ground. They also provide EMC/EMI shielding for applications where immunity to electromagnetic interference is crucial. The parts provide $<0.033\Omega$ for shielded cable to cable or cable to ground use. This is accomplished using a grounding plate, conductive O-ring and gasket. The parts adhere to and are tested to IAW MIL-STD-461F, RS103 for EMI emission and susceptibility.



EMC Shroud (front view) –
conductive surface with shielded
cable and receptacle or chassis
ground



EMC Shroud (rear view) –
conductive surface with shielded
cable