REZ ANTENNA SYSTEMS
PRECISION MADE RELIABILITY

[Z]KORE 66 WIRE PREPARATION & TERMINATION GUIDE

PRODUCT GUIDE REZ-GDE-ZK66

OVERVIEW

LIGHTWEIGHT REINFORCED ANTENNA WIRE

[Z]Kore 66 combines a flexible braided conductor with aramid-fiber reinforcement and a rugged TPU jacket. Engineered for portable antenna applications, its lightweight, high-strength construction remains flexible while resisting the stresses of repeated field deployment. Its reinforced construction requires a different preparation technique than ordinary hookup wire: cut cleanly, score the jacket carefully, and keep the reinforcing fibers intact through termination.



FLEXIBLE	HIGH-STRENGTH	LIGHTWEIGHT
EASY TO DEPLOY	ARAMID REINFORCED	PORTABLE ANTENNA WIRE

CHARACTERISTIC	SPECIFICATION
Nominal Outside Diameter	0.066 in (1.68 mm)
Conductor	Tinned braided copper
Reinforcement	Aramid fiber
Resistance	25.5 Ω / 1,000 ft
Power Rating	500 W PEP, 200 W CW/Digital
Recommended Terminal Size	Terminals sized for 22-18 AWG wire

WIRE PREPARATION & TERMINATION

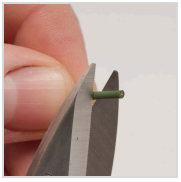
Cutting, stripping and electrical termination

WIRE PREPARATION



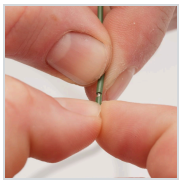
01 **CUT THE WIRE**

Cut to the required length with sharp, serrated electrician's scissors. The serrated edges grip the wire and cut the aramid reinforcement cleanly.



02 **SCORE THE OUTER JACKET**

At the desired strip length, rotate a sharp razor knife or serrated electrician's scissors around the wire to score through most or all of the TPU jacket. Avoid nicking the braided conductor or aramid fibers. Conventional wire strippers are not recommended.



03 **PULL OFF THE JACKET**

Grip the scored jacket section and pull it off with your fingers. Do not cut, trim, or separate the reinforcing fibers.



04 **INSPECT THE STRIPPED END**

Confirm that the jacket edge is clean and the braided conductor and aramid fibers remain intact. Do not unbraid or twist apart the exposed wire.

IMPORTANT

IMPORTANT: Keep the aramid reinforcement with the conductor inside the crimp. It contributes to mechanical retention.

ELECTRICAL TERMINATION



01 **INSTALL A CRIMP TERMINAL**

Use a suitable 22–18 AWG crimp-style electrical terminal and a compatible crimping tool. Place both the braided conductor and aramid reinforcing fibers inside the terminal barrel before crimping.



02 **CHECK THE FINISHED TERMINATION**

Confirm that the terminal is securely crimped, the wire is fully retained, and no strands or reinforcing fibers were inadvertently cut during preparation.

IMPORTANT

SOLDERED ALTERNATIVE: The conductor may be tinned and soldered without removing the aramid fibers. Provide independent strain relief so the solder joint does not carry wire tension.

SAFETY & PRECAUTIONS

WARNING — POWER / EQUIPMENT DAMAGE HAZARD
Do not exceed the published power rating for this product. Excessive RF power, excessive mismatch, or improper operation can cause overheating, equipment damage, or fire.