



Coaxial Selection Chart

Available at: www.LicensedElectrician.com

Compression Style



Cable	Cutter	Stripper	Compression Tool	Compression Connector	Tester
F-Connector					
RG-59 Reg/Tri/Quad	45-074, 45-075	45-265, 45-603, 45-526	30-603, 30-793, 30-633	92-610, 92-619	33-856, 33-880 33-881, 33-887*
RG-6 Reg/Tri/Quad	45-074, 45-075	45-262, 45-603, 45-526	30-603, 30-793, 30-633	92-654, 92-651, 92-650, 92-656, 92-659	
RG-6 Plenum	45-074, 45-075	45-282, 45-603, 45-526	30-603, 30-793, 30-633	92-660, 92-669	
RG-11	45-074, 45-075	45-111, 45-510	30-603, 30-793	89-211, 89-1211	
Minis	45-074, 45-075	45-529, 45-163	30-603, 30-793	89-014SM, 89-014SMRCA	
BNC					
RG-59	45-074, 45-075	45-265, 45-603, 45-526	30-793	89-048, 89-5047, 89-1047	
RG-6	45-074, 45-075	45-265, 45-603, 45-526	30-793	89-048, 89-5048, 89-1048	
RCA					
RG-6	45-074, 45-075	45-262, 45-603, 45-526	30-603, 30-793, 30-633	89-582, 89-580	
RG-59	45-074, 45-075	45-265, 45-603, 45-526	30-603, 30-793, 30-633	89-572, 89-570	

*Need LA-4173 adapter.

Crimp Style



Cable	Cutter	Stripper	Crimper	Connector	Tester
F-Connector					
RG-59	45-074, 45-075	45-265, 45-603, 45-320	30-503	85-036, 85-016, 86-016	33-856, 33-880, 33-881, 33-887*
RG-6	45-074, 45-075	45-262, 45-603, 45-320	30-503	85-037, 85-017, 86-017	
RG-6 Quad Shield	45-074, 45-075	45-282, 45-603, 45-320	30-503	85-057, 85-030, 86-030	
RG-6 Plenum	45-074, 45-075	45-282, 45-603	30-503	N/A	
RG-11	45-074, 45-075	45-164, 45-510, 45-511	30-502	N/A	
BNC					
RG-59, Non-Plenum	45-074, 45-075	45-520	30-502, 30-483	85-513, 85-517, 85-502	
RG-6, Non-Plenum	45-074, 45-075	45-520	30-483	85-545	

*Need LA-4173 adapter.

Save money
w/Kits
from IDEAL



33-624
Coax Termination
Hip Kit



33-945
Pro Installer
Kit



33-917
Data/Video Kit

Compression F-Connector



1 Use IDEAL Data T[®]-Cutter (45-074) to cut cable to desired length.



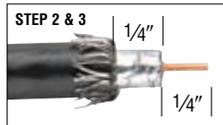
2 Use an IDEAL coax stripper (45-603 or 45-526) to step-strip coax to proper dimensions.

- Proper strip length settings will leave 1/4" of the center conductor exposed and 1/4" of the braiding (shield) exposed.
- After stripping, make sure the tip of the center conductor is straight and not bent. Straighten the conductor if necessary.



3 Fold back the outer layer of braiding (shield) against the cable jacket. Keep the braid strands as straight and as close to the jacket as possible.

- Note: For Quad Shield cables (with 4 layers: outer braid, outer foil, inner braid, inner foil), first fold back the outer braiding. Use the 45-074 to score and remove the exposed 1/4" of outer foil. Remove outer foil, and fold back inner braiding.



4 Push the F connector on to the prepared cable until the white center dielectric is flush with the bottom of the nut of the F connector.



5 Insert the connector/cable assembly into the OmniSeal[™] Pro XL compression tool, squeeze the handle completely to compress the fitting. Remove the completed cable assembly.



Compression RG-11 F-Connector



1 Use IDEAL Data T[®]-Cutter (45-074) to cut cable to desired length.



2 Use an IDEAL coax stripper (45-111) to step-strip RG-11 coax to proper dimensions.

- Proper strip length settings will leave 1/4" (minimum) of the center conductor exposed and 1/4" of the braiding (shield) exposed.
- After stripping, make sure the tip of the center conductor is straight and not bent. Straighten the conductor if necessary. Conductor must be straight to make proper contact with the pin contact inside of the connector.



3 Fold back the outer layer of braiding (shield) against the cable jacket. Keep the braid strands as straight and as close to the jacket as possible.

- Note: For Quad Shield cables (with 4 layers: outer braid, outer foil, inner braid, inner foil), first fold back the outer braiding. Use the 45-074 to score and remove the exposed 1/4" of outer foil. Remove outer foil, and fold back inner braiding.



4 Measure and mark the cable insertion length. Align the tip of the center conductor with the bottom of the hex nut fitting of the connector. Mark or lightly score the cable jacket near the base of the connector. Connector should be within 1/8" of this mark after it is pushed on to the cable. If it is more than 1/8" away from the mark, continue rocking and guiding the connector on to the cable. Approximately 1-1/4" of cable length should be inserted into the connector prior to compressing the connector.



5 Insert the connector/cable assembly into the OmniSeal[™] Pro XL compression tool (adjust the plunger setting if necessary), squeeze the handle completely to compress the fitting. Remove the completed cable assembly.



Compression BNC/RCA Connectors



1 Use IDEAL Data T[®]-Cutter (45-074) to cut cable to desired length.



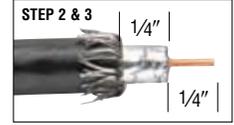
2 Use an IDEAL coax stripper (45-603 or 45-526) to step-strip coax to proper dimensions.

- Proper strip length settings will leave 1/4" (minimum) of the center conductor exposed and 1/4" of the braiding (shield) exposed.
- After stripping, make sure the tip of the center conductor is straight and not bent. Straighten the conductor if necessary. Conductor must be straight to make proper contact with the pin contact inside of the connector.

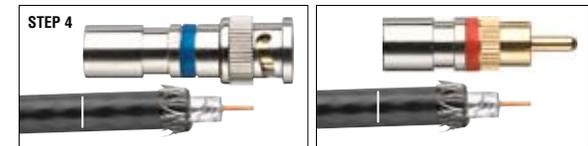


3 Fold back the outer layer of braiding (shield) against the cable jacket. Keep the braid strands as straight and as close to the jacket as possible.

- Note: For Quad Shield cables (with 4 layers: outer braid, outer foil, inner braid, inner foil), fold back the outer braiding. Use the 45-074 to score and remove the exposed 1/4" of outer foil. Remove outer foil, and fold back inner braiding.



4 Measure and mark the cable insertion length. For BNC's, align the tip of the center conductor with the top of the knurled nut fitting. For RCA's, align the tip of the center conductor with the top of the retention collar. Mark or lightly score the cable jacket near the base of the connector. Connector should be within 1/8" of this mark after it is pushed on to the cable. If it is more than 1/8" away from the mark, continue rocking and guiding the connector on to the cable. Approximately 1-1/4" of cable length should be inserted into the connector prior to compressing the connector for the BNC. Approximately 1-1/8" of cable length should be inserted into the connector prior to compressing the connector for the RCA.



5 Insert the connector/cable assembly into the OmniSeal[™] Pro XL compression tool, squeeze the handle completely to compress the fitting. Remove the completed cable assembly.

