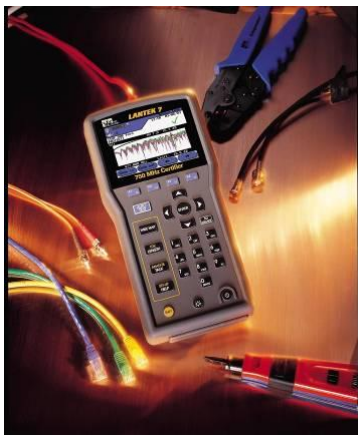
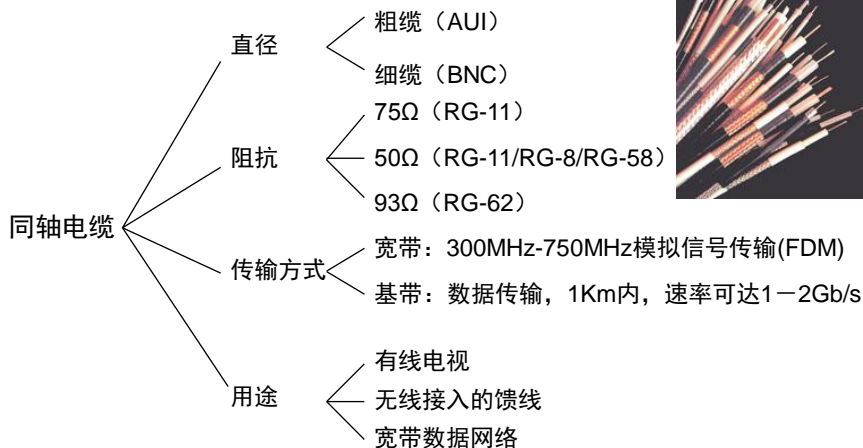


同轴电缆加工工具

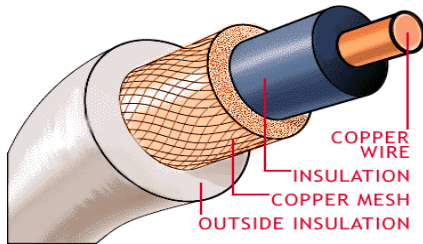


- 同轴电缆的布放与屏蔽型双绞线类似
- 使用符合同轴电缆结构特点的工具进行剪切及剥线
- 专用连接器及端接工具
- 双绞线验证与认证设备同样适用于同轴电缆

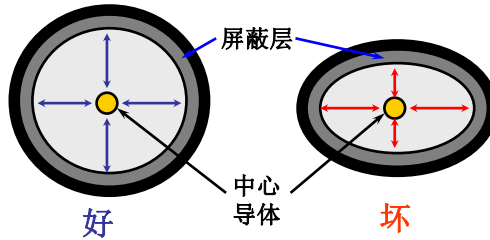
一、同轴电缆分类



二、同轴线缆结构



- 中心导体要与屏蔽层保持等距以确保信号传输性能
- 标准规定：屏蔽电缆的弯曲半径应至少为电缆外径的6—10倍



三同轴电缆加工工具——剪切

只有这些，太落伍了...



同轴电缆施工工具——剪切

一、Data T®-Cutter 数据T型剪线钳

- 剪切多股通信电缆，直径可到12.7mm
- 剪切同轴电缆RG-59/U、RG-58、RG-6
- 适合于剪切软线
- 柔软的手柄套便于握持
- 锁定销使工具便于装在工具套中



45-074



45-075



45-223

二、增强T型剪线钳

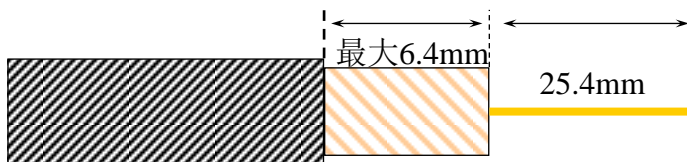
- 剪切直径高达13mm多股线缆和AWG10以下的单股
- 采用硬化钢材，剪刀型刃口
- 利用弹簧自动使钳柄张开
- 舒适的钳端，提升额外的夹持压力
- 工具表面采用抗腐蚀氧化工艺，高强度钢结构
- 弹簧由固定突起可靠定位和锁住
- 采用舒适手柄

正确的剪切工具



同轴电缆加工工具——剥线

例如：剥F型连接器



45-262剥线钳



45-520剥皮器



30-433 两合一同轴组合钳



同轴电缆加工工具——剥线

- 二步剥线提高效率,一次弹簧运动实现抓紧和剥线
- 利用弹簧增强力量和不易疲劳
- 精密研磨刀片保证精确剥线,具有多孔直径,
- 两步使绝缘护套与中心导体剥离
- 模具铸造架,坚固耐用
- 线缆夹子安全定位,夹紧线缆
- 不同的刀片可用于:
 - RG6
 - RG59
 - RG6四层屏蔽



45-262剥线钳

同轴电缆加工工具——剥线 使用45-262剥线钳



1. Place cable in smaller hole 1/2" protruding



2. Squeeze handles together firmly & quickly



3. Place cable in larger hole 1/4" protruding, squeeze



4. Stripped cable

同轴电缆施工工具——剥线 使用45-520剥皮器



1. Set sliding window to cable size



2. Place cable in stripper with 1/8" protruding



3. Rotate stripper in direction of lettering



4. Remove cable from stripper



5. Remove slugs



6. Stripped cable

北京海洋兴业科技股份有限公司 (证券代码: 839145)

www.hyxyyq.com

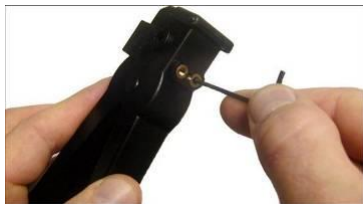
同轴电缆施工工具——剥线 调整45-520剥皮器



1. Remove hex wrench from handle



2. Turn stripper over



3. Insert wrench into adjusting grommets. Adjust by rotating 1/3 of way around at a time



4. Check by restripping cable. What was the left side is now the right side upside down!

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www.hyxyyq.com

同轴电缆加工工具——剥线 更换刀片



- Pull front door open
- Lift cassette up & out
- Insert new cassette & close door

3步骤剥线, 去除6mm护套和6mm屏蔽层	压接BNC/TNC连接器	45-520 刀座45-522 (黑)
3步骤剥线, 去除2.7mm护套和8.2mm屏蔽层	压接BNC/TNC及MIL-C-39012连接器	45-521 刀座45-523 (棕)
6.35mm同轴电缆2步骤剥线	压接F、BNC/TNC、UHF连接器	45-526 刀座45-524 (蓝)
12mm同轴电缆2步骤剥线	UHF连接器	45-525 (绿)
3步骤剥线, 去除6mm护套和6mm屏蔽层	N系列以太网连接器	45-258

同轴电缆加工工具——端接 例如F型连接器

- One-piece
 - Most preferred, easiest installation
- Two-piece
 - More pullout strength
- Twist-on
 - What twists on will twist off...

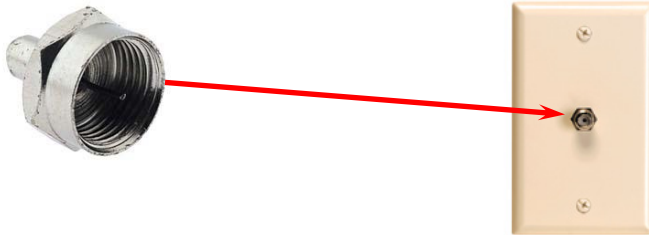


The number one cause of video distribution problems is tightening F connectors finger tight. Tighten them with an F connector tool.

同轴电缆施工工具——端接

About “F” Connectors

- Must be used for all open CATV outlets
- Eliminates leakage and ingress, which lead to poor signal quality



同轴电缆施工工具——端接

F-Connector Tool

- Using leverage to install an F connector will seat every connector properly
- Most video signal problems are caused by loose connections. Tighten all connectors with an F-Connector tool.

35-046



Thread connector onto end of tool



Push connector onto stripped cable



同轴电缆施工工具——端接 Coax Strip & Crimp Tool

- Cuts, Strips & Crimps RG-6 & RG-59
- No need to carry separate tools
- Good for occasional contractor use

30-433



同轴电缆施工工具——端接 Terminating coax - CrimpMaster™

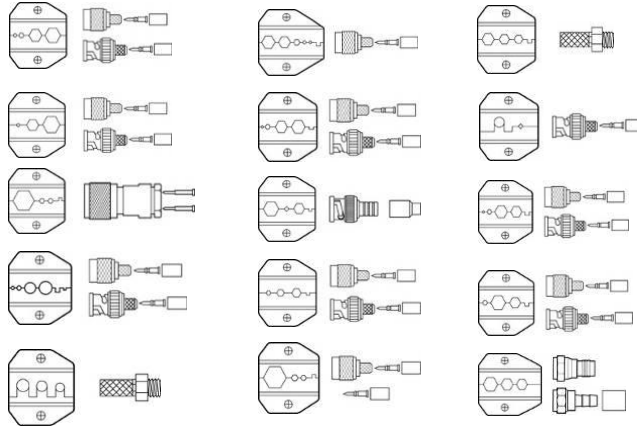
- Consistency & repeatability
- More leverage, less installer fatigue
- The same crimp every time
- 28 interchangeable dies
- For the installer with more than an occasional crimp to do



30-506



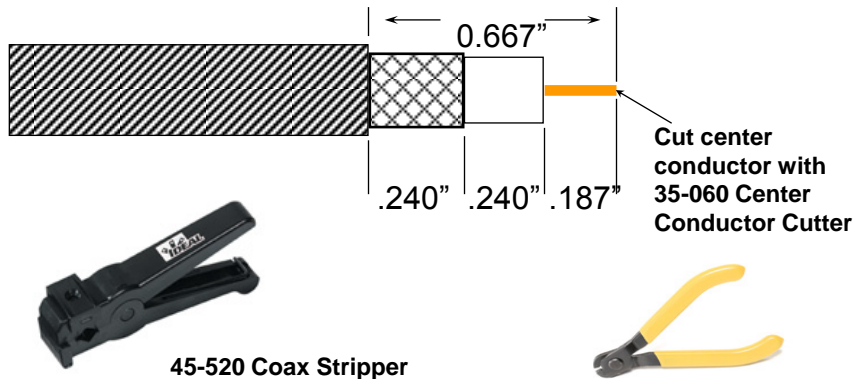
与Crimpmaster™ 配合使用的 同轴电缆连接器压接模块



同轴电缆加工工具——剥线

Stripping coax - BNC

- 精确, 高效, 可重复



同轴电缆施工工具——剥线

使用45-520



1. Set sliding window to cable size



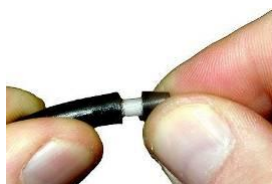
2. Place cable in stripper with 1/4" protruding



3. Rotate stripper in direction of lettering



4. Remove cable from stripper



5. Remove 1st two slugs



6. Remove 3rd slug by bending cable

同轴电缆施工工具——剥线

使用35-060中心导体修复钳



1. Stripped cable



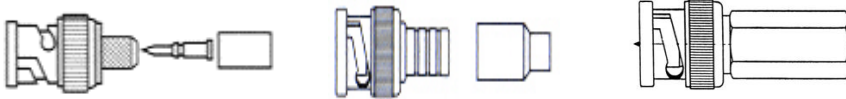
2. Lay side of cutter **against** white dielectric



3. Finished cable

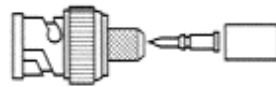
同軸電纜加工工具——端接 BNC/TNC連接器

- Primary use today is for video/security installations
- Was an early data connector
- Looks like a difficult termination, but can be the easiest

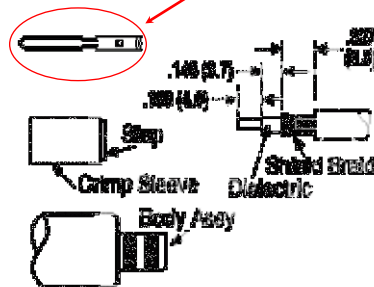


同軸電纜加工工具——端接 Three-piece BNC

- Recommended
- Fastest
- Easiest
- Captive contact pin
- Gas-tight crimp



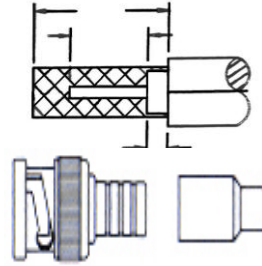
Captive Contact Pin



同軸電纜加工工具——端接 Two-piece BNC

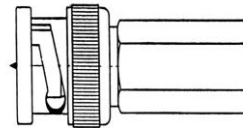
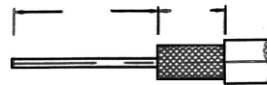
- Less expensive
- More labor
- No captive contact pin
- No gas tight crimp

Strip to Braid, Peel Back



同軸電纜施工工具——端接 鉚接BNC

- Quickest, easiest
- Least reliable
- No captive contact pin
- No gas-tight crimp
- Can be affected by thermal change
 - *Installer's worst nightmare...*
 - *Intermittent failure*



同轴电缆施工工具——端接

端接BNC 连接器



1. Close CrimpMaster to 1/8" open



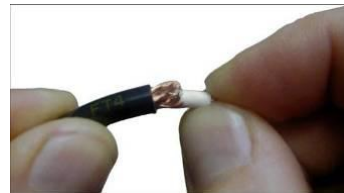
2. Place center contact pin point down into smallest crimp nest



Wrong side up



3. Place center conductor all the way into center contact pin and crimp



4. Rotate dielectric to bend back braiding

同轴电缆施工工具——端接

端接BNC 连接器



1. Seat connector body onto dielectric, underneath the braiding, listen for click of captive contact pin



2. Seat the ferrule against the connector body with equal, opposing force



3. Squeeze handles together completely



4. Finished Connector

同轴电缆施工工具——端接 Coax Strip & Crimp Tool 30-433

- Cuts, Strips & Crimps RG-6 & RG-59
- No need to carry separate tools
- Good for occasional contractor use
- **No ratcheting leverage for crimping**



好, 还会用...



不, 应该换一下了

线缆加工工具——工具包

为满足线缆施工需要，方便用户，
IDEAL为用户提供不同配置的工具包/

