

**SHIELDED 2 TO 12 CONDUCTORS
RUBBER, PVC, PE OR PU JACKETS
FOR A VARIETY OF APPLICATIONS**

Instrumentation cables are used with every electrical transducers for a wide variety of applications and environments.

Description

ELECTRIC CABLES

Roctest offers a large selection of electric instrumentation cables. Typical cables are made of twisted shield pairs of conductors and have a copper drain. Particular cables, such as vented or reinforced cables, are used for specific applications.

SPLICES

Splicing kits are used to repair damaged electrical cables or to add length to them. Splices are performed by using a splice kit which includes a stainless steel or PVC sleeve with watertight connectors. Cable splicing should be done only when absolutely necessary; a splice is not always as solid or watertight as the cable itself.

LIGHTNING PROTECTION

Lightning protection is recommended to protect electrical equipment installed in regions with high risk of lightning. Lightning problems can be minimized with good instrumentation grounding methods, shielding wiring and components, and surge protection. This latter protection consists in adding gas tubes surge arrestors and transorbs diodes into a protection box for use with a single transducer (Model SPT), or unto a board for use with up to 40 VV transducers with no thermistor (Model SPU).

Key Features

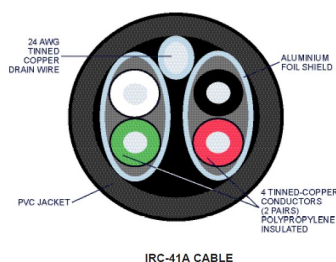
- 2 to 12 conductors
- Shielded twisted pairs
- 18, 20 or 22 AWG
- Rubber, PVC, Polyethylene or Polyurethane jackets
- Splicing kits and surge protection available

Applications

- Instrumentation cables are used to connect electrical transducers in a wide variety of applications and environments
- Splicing Kits are used to repair damaged electric cables or to add length to the them
- Lightning protection is recommended to protect electrical equipment installed in lightning prone regions.

Specifications

| MODEL | DESCRIPTION | OD | OUTSIDE JACKET |
|----------|--|---------|-------------------|
| IRC-21 | 2 conductors 18 AWG for direct burial | 7.5 mm | Rubber |
| IRC-31 | 3 conductors 22 AWG, copper drain | 3.7 mm | PVC |
| IRC-41A | 2 shielded pairs 22 AWG, copper drain | 6.4 mm | PVC |
| IRC-41AP | 2 shielded pairs 22 AWG, copper drain | 6.4 mm | Polyethylene (PE) |
| IRC-41AV | 2 shielded pairs 22 AWG, 1 nylon vent tube | 8.9 mm | Polyethylene (PE) |
| IRC-61A | 3 shielded pairs 22 AWG, Kevlar reinforced | 9.5 mm | Polyurethane (PU) |
| IRC-82A | 4 shielded pairs 22 AWG, copper drain | 8.5 mm | PVC |
| IRC-121 | 6 shielded pairs 20 AWG, copper drain | 11 mm | PVC |
| IRC-181 | 9 shielded pairs 22 AWG, copper drain | 12.7 mm | PVC |
| IRC-241 | 12 shielded pairs 22 AWG, copper drain | 11.7 mm | PVC |
| IRC-390 | 2 shielded pairs 22 AWG, copper drain, for direct burial | 10 mm | PVC |



Ordering Information

Please specify:

- Model
- Cable length

Optional Accessories

- Splicing Kit
- Gas tube surge arrestors
- Transorb diodes