

# Multiple-Pair Electronic Instrument Wire



**UL PLTC 300 VOLT**  
PVC Insulation & Jacket  
Individual & Overall Shield

## Cable Specifications:

**Conductors:** 7-strand 20 AWG Copper Wire

**Single Insulation:** 15 mils 105°C PVC

**Color Code:** Black and White

**Construction:** Twisted pairs

**Identification of pair:** One conductor of each pair is numbered

**Twist:** Lay is approximately 2.5 inches

**Pair Shield:** Aluminized polyester backed tape overlapped to provide coverage when flexed

**Pair Drain Wire:** Stranded uninsulated tinned copper in continuous contact with shield

**Overall Shield:** .002" aluminized polyester backed tape overlapped to provide 100% coverage when flexed

**Overall Drain Wire:** Stranded uninsulated tinned copper in continuous contact with shield

**Communications Wire:** 22AWG stranded copper wire insulated and color coded orange

**Jacket Insulation:** 90°C Flame retardant PVC

## Features:

- UL Listed under Subject 13
- Passes IEEE 383 70,000 BTU 1 hour flame test
- Non-propagating
- Excellent moisture, chemical & abrasion resistance

## Shielded Electrical Instrument Wire

Order Code	Number of Pairs	Nominal Outer Jacket Thickness	Nominal O.D. (Inches)	Minimum Bending Radius (Inches)	Maximum Pulling Tension (lbs.)	Net Wt (lbs./1000 ft)
Cu-2-20S-UPAAP	2	.050"	.352	2 1/4	60	69
Cu-4-20S-UPAAP	4	.050"	.435	3	115	102
Cu-6-20S-UPAAP	6	.050"	.489	3 1/4	170	132
Cu-8-20S-UPAAP	8	.050"	.543	3 5/8	220	162
Cu-10-20S-UPAAP	10	.050"	.650	4 3/8	280	215
Cu-12-20S-UPAAP	12	.050"	.670	4 1/2	335	243
Cu-16-20S-UPAAP	16	.060"	.739	5	440	302
Cu-20-20S-UPAAP	20	.060"	.819	5 1/2	550	372
Cu-24-20S-UPAAP	24	.060"	.900	6 1/8	600	443
Cu-36-20S-UPAAP	36	.070"	1.050	7	980	611
Cu-50-20S-UPAAP	50	.070"	1.225	8	1370	805