

**PVC 300 Volts 105°C**

**Unshielded Triads  
with an Overall Shield**

PART NUMBER	NO. OF TRIADS	NOMINAL JACKET THICK. (INCHES)	NOMINAL OUTSIDE DIAMETER (INCHES)	NOMINAL WEIGHT 1000 FT. (POUNDS)	PULLING TENSION (POUNDS)
<b>20 AWG</b>					
02-0358	1	.037	.222	33	33
02-0359	2	.042	.357	70	57
02-0360	4	.052	.433	107	106
02-0361	8	.052	.556	181	204
02-0362	10	.062	.670	233	254
02-0363	12	.062	.690	266	303
02-0364	16	.062	.765	336	401
02-0365	20	.062	.849	406	500
02-0366	24	.072	.963	496	598
02-0367	36	.072	1.099	698	893
02-0368	50	.082	1.312	961	1238
<b>18 AWG</b>					
02-0369	1	.037	.242	42	51
02-0370	2	.052	.413	96	90
02-0371	4	.052	.476	141	168
02-0372	8	.062	.635	254	323
02-0373	10	.062	.741	311	401
02-0374	12	.062	.764	358	478
02-0375	16	.062	.849	454	633
02-0376	20	.072	.963	571	789
02-0377	24	.072	1.070	674	944
02-0378	36	.072	1.224	958	1410
02-0379	50	.082	1.462	1321	1953
<b>16 AWG</b>					
02-0380	1	.037	.267	58	82
02-0381	2	.052	.460	126	144
02-0382	4	.052	.533	192	268
02-0383	8	.062	.713	352	516
02-0384	10	.062	.836	432	639
02-0385	12	.062	.863	500	763
02-0386	16	.072	.981	661	1011
02-0387	20	.072	1.089	807	1259
02-0388	24	.072	1.212	954	1507
02-0389	36	.082	1.410	1396	2250
02-0390	50	.092	1.681	1923	3117

SIZE (AWG)	CONDUCTOR - CONDUCTOR PF / FT (NOMINAL)	CONDUCTOR - SHIELD PF / FT (NOMINAL)
20	20	32
18	23	40
16	27	48

**SCOPE:**

These Instrumentation Cables are UL listed under Article 725 of the NEC and are suitable for cable tray use in Class 1, Division 2 hazardous locations. The cable can be used in wet or dry locations and up to conductor temperatures of 105°C.

The flame properties meet or exceed the requirements of both the UL 70,000 BTU vertical tray flame test and the comparable IEEE-383 flame test. A 210,000 BTU rating is also available upon request.

**APPLICATIONS:**

The cables can be used in raceways or, when provided with a messenger, for aerial application. When increased mechanical, chemical, or environmental protection is required, a hermetically sealed aluminum tape or copper tape armor with an additional PCV or CPE jacket can be provided.

PLTC type Instrumentation Cable can be used in type CL3 or CL2 applications.

**CONSTRUCTION:**

Class B, stranded per ASTM B-3 and ASTM B-8  
Triads are twisted with staggered lays to reduce crosstalk.  
Orange communication wire is provided for calibration on 4 pair/triad and higher. Available in tinned copper upon request.

**PRIMARY INSULATION:**

105°C rated PVC  
Thickness: .015" nominal thickness

**OVERALL SHIELD:**

Overall shield is helically applied with 100% coverage with a tinned copper drain wire.

**OVERALL JACKET:**

PVC (105°C rated) or CPE (90°C rated)  
Ripcord is applied under the jacket to facilitate stripping.

**COLOR CODING:**

Triads are color coded black, white, and red.  
One conductor in each pair or triad is number coded for ease of identification.

**DATA:**

Maximum DC Resistance @ 20°C    #20 AWG    #18 AWG    #16 AWG  
Ohms/1000 feet                            10.5            6.64            4.18

Minimum Bend Radius (inches) = Nominal Cable Diameter x 8

Capacitance - Pairs (Triads will be 1 to 3 pf/ft higher than pairs)

NOTE: Specifications and weights are nominal and subject to standard industry tolerances.

Information on this sheet is subject to change without notice. All diameters are nominal values. All diameters and weights are subject to normal manufacturing tolerances.

