

PVC/Nylon 600 Volts 90°C PVC Jacket

**Unshielded Pairs
with an Overall Shield**

PART NUMBER	NO. OF PAIRS	NOMINAL JACKET THICK. (INCHES)	NOMINAL OUTSIDE DIAMETER (INCHES)	NOMINAL WEIGHT 1000 FT. (POUNDS)	PULLING TENSION (POUNDS)
18 AWG					
02-0208	1	.047	.270	42	39
02-0209	2	.047	.340	77	64
02-0210	4	.047	.442	114	116
02-0211	6	.062	.557	162	170
02-0212	8	.062	.617	208	220
02-0213	10	.062	.675	248	271
02-0214	12	.062	.728	286	323
02-0215	16	.062	.821	261	426
02-0216	20	.082	.943	469	530
02-0217	24	.082	1.018	544	633
02-0218	36	.082	1.209	765	944
02-0219	50	.082	1.396	1017	1306
16 AWG					
02-0220	1	.047	.294	55	62
02-0221	2	.047	.377	103	103
02-0222	4	.047	.494	152	268
02-0223	8	.062	.690	279	350
02-0224	10	.062	.756	334	433
02-0225	12	.062	.817	388	516
02-0226	16	.082	.964	528	681
02-0227	20	.082	1.058	636	846
02-0228	24	.082	1.144	745	1011
02-0229	36	.082	1.354	1057	1507
02-0230	50	.082	1.578	1417	2085

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

SCOPE:

These 600 volt Instrumentation Cables are UL listed under Article 340 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 90°C. The addition of nylon over the conductors provides excellent oil and gasoline protection.

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 trays, conduit, and wireways. They are sunlight resistant and suitable for direct burial. They are available with a PVC or CPE jacket.

CONSTRUCTION:

Class B, stranded per ASTM B-3 and ASTM B-8. Conductors are type FN listed under UL 62. Pairs are twisted with staggered lays to reduce crosstalk. Available in tinned copper upon request.

PRIMARY INSULATION:

105°C rated PVC and nylon jacket

SHIELDING:

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

OVERALL JACKET:

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

COLOR CODING:

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

DATA:

Maximum DC Resistance @ 20°C #18 AWG #16 AWG
Ohms/1000 feet 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)

»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.