

PVC/Nylon 600 Volts 90°C PVC Jacket

Shielded Triads with Individual and Overall Shield

PART NUMBER	NO. OF TRIADS	NOMINAL JACKET THICK. (INCHES)	NOMINAL OUTSIDE DIAMETER (INCHES)	NOMINAL WEIGHT 1000 FT. (POUNDS)	PULLING TENSION (POUNDS)
18 AWG					
02-0275	2	.047	.453	117	106
02-0276	4	.062	.557	190	200
02-0277	8	.062	.718	327	389
02-0278	10	.082	.882	432	483
02-0279	12	.082	.909	495	577
02-0280	16	.082	1.008	628	765
02-0281	20	.082	1.118	762	953
02-0282	24	.082	1.242	899	1141
02-0283	36	.082	1.421	1279	1705
02-0284	50	.112	1.734	1826	2363
16 AWG					
02-0285	2	.047	.509	156	170
02-0286	4	.062	.624	253	320
02-0287	8	.062	.810	444	619
02-0288	10	.082	.993	581	769
02-0289	12	.082	1.024	671	919
02-0290	16	.082	1.138	858	1218
02-0291	20	.082	1.265	1046	1518
02-0292	24	.082	1.408	1238	1817
02-0293	36	.082	1.615	1777	2715
02-0294	50	.112	1.967	2523	3764

SIZE (AWG)	CONDUCTOR - CONDUCTOR PF / FT (NOMINAL)	CONDUCTOR - SHIELD PF / FT (NOMINAL)
18	30	57
16	35	66

SCOPE:

This Instrumentation Cables is UL listed under Article 340 of the NEC and is 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 individually shielded pairs and triads are completely isolated from each other by use of a polyester tape. This isolation assures maximum protection from crosstalk and common mode interference. An overall shield provides additional 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 TFN listed under UL 62. Available in tinned copper upon request.

PRIMARY INSULATION:

105°C rated PVC and nylon jacket

SHIELDING:

Each triad with individual drain wire is shielded with aluminum/polyester tape. All are isolated with an additional polyester tape. Overall shield is helically applied with 100% coverage with a tinned copper drain wire.

OVERALL JACKET:

PVC (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 #18 AWG #16 AWG
Ohms/1000 feet 6.64 4.18

Minimum Bend Radius (inches) = Nominal Cable Diameter x 12

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.

