

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.

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.

