



SINGLE PAIR/TRIAD SHIELDED ELECTRONIC 300 VOLT PLTC INSTRUMENT WIRE

APPLICATION: This product is UL Listed as power limited tray cable for cable tray installations in NEC Class I, Division 2 and with restrictions in Class II, Division 2 hazardous areas. It is constructed in compliance with NEC Article 725 and has a 300-volt rating.

CONSTRUCTION SPECIFICATIONS:

Conductor

7 strand concentric bare copper, Class B 15 mils nominal, 105°C PVC

Primary Insulation No. of Conductors

Color Code

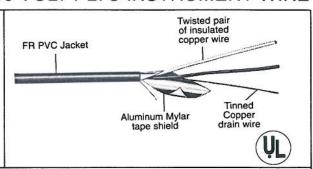
Black and White and Red for triad 2" nominal

Lay of Twist Shield

Jacket

1.27 mil aluminum Mylar* tape shield and an 18 gauge 7 strand tinned copper drain wire

Black FR PVC



Technical Information

Product Dimensions

Gauge Size AWG	No. of Cond.	Jacket Thickness Mils	Overall Diameter Nominal / Maximum		Minimum Bend Radius		Maximum Pulling Tension		Net Weight	
			Inches	mm	Inches	mm	lb	kg	lb/k ft	kg/km
16 16	2 3	35 35	.252/.287 .264/.302	6.40/7.29 6.71/7.67	1-3/4 1-7/8	44 48	54 75	24 34	41.7 53.0	62.0 78.9

Product Characteristics

Physical Characteristics	Test Method	Primary Insulation	Outer Jacket
Temperature Rating	UL Subject 13	105°C	977750
Density gm/cm³ (Nominal)	ASTM D 1505	1.36	1.40
Tensile Strength	UL Subject 13	2500	2000
(Min. PSI @ 72°F)		17.2 MPa	13.8 MPa
Ultimate Elongation	UL Subject 13	200	200
(Min. % @ 72°F)	,		
Air Oven Aging			
(7 days at 136°C)	UL Subject 13		
% retained tensile	Section of the Control of the Contro	70	
% retained elongation		65	
(7 days at 121°C)	UL Subject 13		
% retained tensile			70
% retained elongation			45
Limiting O ₂ Index (% O ₂ Min.)	ASTM D-2863		27
Flammability	14711112		
Singles - Vertical & Horizontal	UL Subject 83 & 13	Pass	
Cable Tray - Ribbon Burner	UL Subject 13		Pass
Cold Bend (72 hrs. @ -20°C)	UL Subject 13	No Cracks	No Crack
Minimum Recommended Installation Temperature		-10°C	-10°C
Dielectric Constant (Max.) 24Hrs. @ 75°C	UL Subject 83	10	
Insulation Resistance Constant	UL Subject 13	3000	
[Min. @ 15.6°C (60°F)]			

The specifications listed above are subject to change without notice. In any change, the product's performance will remain the same, or be improved. *Dupont Trademark.