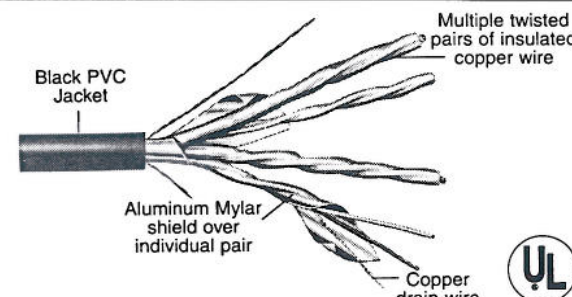



## PVC/NYLON MULTIPLE PAIRS ELECTRONIC INSTRUMENT WIRE INDIVIDUAL & OVERALL SHIELD 600 VOLT TC

<p><b>APPLICATION:</b> These cables offer resistance to a wide range of chemicals, including acids, alkalis, alcohol, petroleum and mineral oils. This product is UL listed as Type TC tray cable for cable tray installation in NEC Class 1, Division 2 and with restrictions in Class II, Division 2 hazardous areas. It is constructed in compliance with NEC Article 340 and has a 600-volt rating.</p> <p><b>CONSTRUCTION SPECIFICATIONS:</b></p> <p>Conductor            7 strand bare copper          Primary Insulation    15 mils PVC/4 mils nylon          Color Code            Black and White pairs          Group Identification    Each pair numbered          Pair &amp; Overall Shield    100% coverage aluminum - Mylar* with drain wire          Jacket                    Black PVC</p>	 <p>Black PVC Jacket</p> <p>Multiple twisted pairs of insulated copper wire</p> <p>Aluminum Mylar shield over individual pair</p> <p>Copper drain wire</p> 
---	--

### Technical Information

#### Product Dimensions

No. of Pairs	Gauge Size	Overall Diameter Nominal / Maximum		Minimum Bend Radius		Maximum Pulling Tension		Net Weight	
		Inches	mm	Inches	mm	lb	kg	lb/k ft	kg/km
2	18	0.470/0.540	11.90/13.70	4.78	122	187	85	87	129
4	18	0.521/0.554	13.23/14.07	3.1	79	150	68	133	198
8	18	0.700/0.749	17.78/19.02	4.5	114	285	129	250	372
12	18	0.843/0.896	21.41/22.76	5.4	136	389	176	349	520

#### Product Characteristics

Physical Characteristics	Test Method	Primary Insulation	Outer Jacket
Temperature Rating	UL Subject 13	90°C	
Tensile Strength (Min. PSI @ 72°F)	UL Subject 1277		90°C
	UL Subject 83	2500	2000
Ultimate Elongation (Min. % @ 72°F)		17.2 MPa	13.8 MPa
	UL Subject 83	200	200
Deformation (T <sub>r</sub> /T, Min.)	UL Subject 83	0.75	0.5
Air Oven Aging (7 days at 136°C)	UL Subject 83		
% retained tensile		75	
% retained elongation		65	
(7 days at 121°C)	UL Subject 1277 (Die Cut Samples)		70
% retained tensile			45
% retained elongation			
Limiting O <sub>2</sub> Index (% O <sub>2</sub> Min.)	ASTMD-2863		27
Flammability			
Single - Vertical	UL Subject 1277	Pass	
Cable Tray - Ribbon Burner	UL Subject 1277		Pass
Mechanical Moisture Absorption (Max. Mg/In <sup>2</sup> )	UL Subject 83	20	
Heat Shock	UL Subject 83	No Cracks	No Cracks
1hr. at 121°C			
Cold Bend (@-25°C)	UL Subject 83	No Cracks	
4 hours	UL Subject 1277		No Cracks
Minimum Recommended Installation Temperature		-10°C	-10°C

#### Electrical Characteristics

Dielectric Constant (24Hrs. @ 75°C)	UL Subject 83	10
Increase in Capacitance (Max %)	UL Subject 83	
	1-14 Days	10
	7-14 Days	5
Insulation Resistance Constant	UL Subject 83	
Min. @ 15.6°C (60°F)		3000

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.