



## APPLICATION

The 600V Instrumentation Cables are listed as Type TC per UL 1277. Suitable for installations as described in NEC ART 336.

## CHARACTERISTICS

Voltage Rating

600V

Temperature Rating

Dry: 90°C

Minimum Bending Radius

7.5 x overall diameter

## CONSTRUCTION

Conductor

Plain annealed copper wires

Insulation

PVC /Nylon (Polyvinyl Chloride)

Individual Separator Polyester tape

Individual Drain Wire Solid tinned copper wire

Individual Shield

AL-PES foil, Aluminum contact with stranded tinned

copper drain wire

General Separator

Polyester tape

General Drain Wire

Solid tinned copper wire

Sheath

PVC (Polyvinyl Chloride)

Core Identification

Black White

Sheath Colour

Black

## STANDARDS

UL 1685 (vertical tray), UL 13 (VW-1), IEC/EN 60332-1,  
 IEC 60332-3-22 (CAT-A), (BS 4066 part 1&3), EN 50266-2-2  
 ASTM No 2 oil 70°C 4 (ICEA S-73-532), ASTM B-3,  
 UL 1685 (vertical tray), UL 13 (VW-1), IEC/EN 60332-1,  
 ASTM B3, IEC 60332-3-22 (CAT-A), (BS 4066 part 1&3),  
 EN 50266-2-2, ASTM No 2 oil 70°C 4 (ICEA S-73-532),  
 ASTM B-8 IEC/EN 228, HD 383, BS 6360, VDE 0295

## DIMENSIONS

NO. OF PAIRS	CONDUCTOR AWG	NOMINAL	NOMINAL	NOMINAL	NOMINAL WEIGHT
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		THICKNESS OF INSULATION mm	THICKNESS OF OUTER SHEATH mm	OVERALL DIAMETER mm	kg/km
2	16	0.51	1.14	12.38	230
2	18	0.51	1.14	11.18	171
3	16	0.51	1.14	13.18	296
3	18	0.51	1.14	11.88	219
4	16	0.51	1.14	14.48	374
4	18	0.51	1.14	12.98	274
5	16	0.51	1.52	16.64	481
5	18	0.51	1.52	14.94	355
7	16	0.51	1.52	18.04	622
7	18	0.51	1.52	16.24	455
8	16	0.51	1.52	20.24	737
12	16	0.51	1.52	23.74	1063
12	18	0.51	1.52	21.14	774
16	16	0.51	2.03	27.46	1423
16	18	0.51	2.03	24.46	1039
20	16	0.51	2.03	30.46	1766
20	18	0.51	2.03	27.16	1290
24	16	0.51	2.03	33.76	2140
24	18	0.51	2.03	30.46	1558
36	16	0.51	2.03	38.66	3030
36	18	0.51	2.03	34.36	2198
50	16	0.51	2.03	45.26	4191
50	18	0.51	2.03	40.06	3029

**ELECTRICAL CHARACTERISTICS**

NOMINAL CROSS SECTIONAL AREA AWG	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C Ω/kft
16	4.36
18	6.95