



## 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 / Nylon)

Tape

Polyester tape

Drain Wire

Solid tinned copper wire

Shield

AL-PES foil, Aluminum contact with stranded tinned

copper drain 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/TRIADS	CONDUCTOR AWG	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km

			mm		
1P	16	0.51	1.14	6.8	83
1P	18	0.51	1.14	7.1	69
2P	16	0.51	1.14	11	145
2P	18	0.51	1.14	10	111
3P	16	0.51	1.14	11.7	184
3P	18	0.51	1.14	10.6	139
4P	16	0.51	1.52	13.6	252
4P	18	0.51	1.14	11.5	168
5P	16	0.51	1.52	14.8	297
5P	18	0.51	1.52	13.4	225
7P	16	0.51	1.52	16	378
7P	18	0.51	1.52	14.5	282
12P	16	0.51	1.52	20.9	596
12P	18	0.51	1.52	18.7	438
16P	16	0.51	2.03	24.2	816
16P	18	0.51	2.03	21.7	606
20P	16	0.51	2.03	26.8	986
20P	18	0.51	2.03	24	727
24P	16	0.51	2.03	29.6	1156
24P	18	0.51	2.03	26.5	849
36P	16	0.51	2.03	33.8	1625
36P	18	0.51	2.03	30.2	1176
50P	16	0.51	2.03	39.5	2180
50P	18	0.51	2.03	35.1	1567
1T	16	0.51	1.14	11.7	131
1T	18	0.51	1.14	7.5	83

### ELECTRICAL CHARACTERISTICS

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