



# THERMOCOUPLE MULTI PAIR EXTENSION CABLE

Overall Shield  
UL listed 300 volt pvc insulated 105°C

### Applications

- Petrochemical Plants
- Utilities and Industrial Plants
- Thermocouple Circuits

### Product Features

- UL Listed Subject 13 PL TC
- Rated 105C 300 Volt
- Flame Retardant
- Passes IEEE 383 Flame Test
- Passes VW-1 Flame Test
- Sunlight resistant

### Product Specifications

<u>Conductors:</u>	Solid thermocouple extension wire per ASTM E230 & ANSI MC96.1 20 AWG 0.8mm dia, 16 AWG 1.29mm dia
<u>Calibrations:</u>	K, J, T, R, S, N
<u>Insulation:</u>	Nominal 0.40mm flame retardant PVC
<u>Color Code:</u>	Per ASTM E230 & ANSI MC96.1, numbered on positive conductor (other colors available)
<u>Construction:</u>	Twisted pairs
<u>Communication Wire:</u>	22 AWG (.61mm) 7 strand copper insulated with nominal 0.38mm orange PVC (4 pair and larger)
<u>Cable Shield:</u>	0.05mm aluminium/polyester tape, 25% overlap
<u>Cable Drain Wire:</u>	20 AWG 7-strand tinned copper
<u>Outer Jacket:</u>	Flame retardant PVC with ripcord under jacket

### Dimensions for 20 AWG Solid Conductors

No. of pairs	Outer Jacket Thickness mm	Outer Diameter mm	Bend Radius mm	Pull Tension kg	Net Weight Kg / km
1	0.94	5.5	33	10	42
4	1.07	9.4	56	33	115
8	1.35	12.2	73	62	202
12	1.35	14.1	85	91	280
16	1.63	16.3	98	120	360
24	1.63	19.1	115	178	510

### Dimensions for 16 AWG Solid Conductors

No. of pairs	Outer Jacket Thickness mm	Outer Diameter mm	Bend Radius mm	Pull Tension kg	Net Weight Kg / km
1	0.94	6.5	39	25	64
4	1.35	12.0	72	78	201

## Temperature °Controls Pty Ltd

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