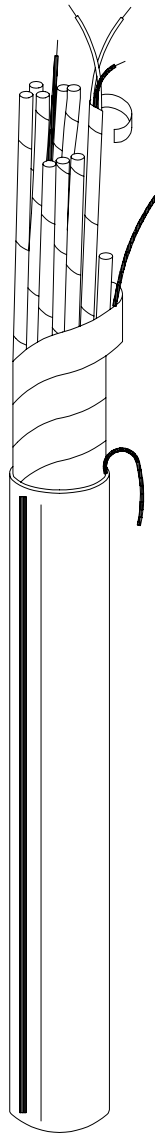


# THERMOCOUPLE EXTENSION CABLE

PVC insulated, individual and overall shielded; 105°C,(UL)



## Specifications:

### Construction

Conductors	:	0,8 mm <sup>2</sup> (20 AWG) solid, thermocouple extension grade according to ITS 1990
Insulation	:	105° PVC, 0,4 mm nominal
Construction	:	twisted pairs
Lay of twist	:	50 mm nominal
Individual shield	:	0,035 mm polyester-backed aluminium tape and 0,025 m polyester separation tape providing 100% coverage
Drain wire	:	0,35 mm <sup>2</sup> (22 AWG), 7 strands tinned copper
Communication wire	:	0,35 mm <sup>2</sup> (22 AWG), 7 strands copper, PVC insulated
Cable shield	:	0,05 mm polyester-backed aluminium tape and 0,05 mm polyester separation tape, 100% coverage and 35% overlap
Cable drain wire	:	0,56 mm <sup>2</sup> (20 AWG), 7 strands, tinned copper
Jacket	:	90°C PVC
Group identification	:	each pair numbered
Limits of error	:	according to ANSI MC 96.1/IEC-584
Colour code	:	according to ANSI MC 96.1/IEC-584

### Calibration

Iron-constantan	JX
Chromel-alumel	KX
Copper-constantan	TX
Nisi-nicrosil	NX

### Electrical/Physical

Insulation	passes 3000 V AC spark test.
Completed construction	passes a dielectric test of 2500 V AC for 10 sec (conductor to conductor and conductor to shield).
Nom. loop resistance (JX, KX and TX)	: resp. 117, 193 and 97,8 Ohm/100 m
Capacitance (conductor to conductor)	: 147 nF/km nominal
Inductance	: less than 1 mH/km
Circuit voltage rating	: 300 V max.
Operation temperature (max.)	: insulation 105°C, jacket 90°C
Lower flexibility limit	: -15°C
Flame test	: flame retardant as per IPCEA S-61-402

## Ordering code:

Iron-constantan	:	UP/ALM/ALPTWK - <input type="checkbox"/> - 20 - JX
Chromel-alumel	:	UP/ALM/ALPTWK - <input type="checkbox"/> - 20 - KX
Copper-constantan	:	UP/ALM/ALPTWK - <input type="checkbox"/> - 20 - TX
Nisi-nicrosil	:	UP/ALM/ALPTWK - <input type="checkbox"/> - 20 - NX

Select number of pairs.

Other colour codes are available on request (ANSI MC 96.1)



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