

Thermocouple Multipair Extension Cable

Multipair extension cable is designed for the reliable transmission of low-voltage signals in control, instrumentation, and communication systems. Constructed with multiple individually insulated pairs, it ensures minimal crosstalk and signal interference. Ideal for indoor and light industrial applications, this cable offers flexible installation and consistent performance across various environments.

Product Specifications

Conductors: Solid thermocouple extension wire per ASTM E230 & ANSI MC96.1

20AWG, 0.81 dia | 16AWG, 1.29mm dia

Calibration Types: K, J, T, R, S N

Insulation : Nominal 0.40 flame retardant PVC

Colour Code: Per ASTM E230 & ANSI MC96.1, numbered on positive conductor (other colours available)

Construction: Twisted Pairs

Individual Shield: 0.03mm aluminium polyester tape, 25% overlap

Pair Drain Wire: 22 AWG 7-strand tinned copper

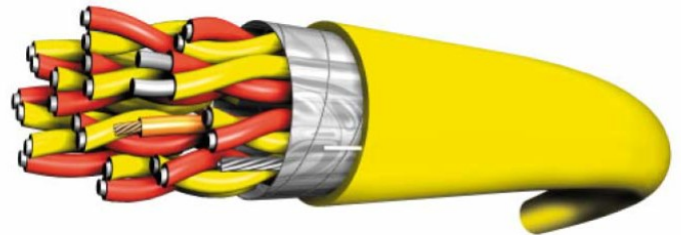
Communication Wire: 22 AWG, 7-strand copper insulated with nominal 0.38mm orange PVC (4 pair and larger).

Cable Shield: 0.05 aluminium/polyester tape, 25% overlap

Cable Drain Wire: 20 AWG 7-strand tinned copper

Inner Jacket: Flame retardant PVC with ripcord under jacket

Outer Jacket: Flame retardant PVD 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 16AWG 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	20	64
4	1.35	12.0	72	78	201

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