

THERMOCOUPLE EXTENSION CABLES

RT-Y (St) Y
 PVC / OSCR / PVC-FR
 Overall Screen

BS EN 50288-7



Construction

1. Solid conductor of thermocouple alloy
2. Polyvinyl-Chloride insulation (PVC)
3. Core twisted in pair, pairs twisted in concentric layers
4. Colour coding for pair refer to the require standard (ANSI, IEC, DIN, BS, NFC)
5. Polyester tape wrapping
6. Overall screen of plastic bonded aluminium mylar tape with tinned copper drain wire, approx. 25% overlapped, polyester tape wrapping
7. PVC outer sheath, flame retardant to IEC-60332-3C

Application

To connect different types of thermocouple in industrial process controls, refineries, oil and gas, petrochemical plants.

Electrical and technical data

	Working Voltage	: max. 500 V
	Test voltage	core/core : 2000V 50Hz 1 min. core/screen : 1000V 50Hz 1 min.
	Insulation resistance	: min 30,5 M.ohm/km
	Mutual capacitance at 800 Hz	: max. 187 nF/km
	Temperature range, fixed	: -30°C to +70°C
	Minimum bending radius	: 7,5 x cable diameter
	Flame retardancy	: IEC-60332-1
	Flame propagation	: IEC-60332-3 cat C

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Data Sheet

No. of pairs x cross section (mm ²)	Conductor nom. (mm)	Thickness of insulation nom. (mm)	Thickness of outer sheath nom. (mm)	Outer dia. nom. (mm)	Weight approx. (kg/km)
1 x 2 x 0.5	1/0.8	0.6	0.9	6.6	55
2 x 2 x 0.5	1/0.8	0.6	1.1	11.6	114
4 x 2 x 0.5	1/0.8	0.6	1.2	13.6	174
6 x 2 x 0.5	1/0.8	0.6	1.3	16.6	243
8 x 2 x 0.5	1/0.8	0.6	1.3	18.2	302
10 x 2 x 0.5	1/0.8	0.6	1.4	21.7	397
12 x 2 x 0.5	1/0.8	0.6	1.5	22.5	450
16 x 2 x 0.5	1/0.8	0.6	1.6	25.2	570
20 x 2 x 0.5	1/0.8	0.6	1.7	28.1	694
24 x 2 x 0.5	1/0.8	0.6	1.8	31.7	835
1 x 2 x 1.3	1/1.3	0.6	0.9	7.7	79
2 x 2 x 1.3	1/1.3	0.6	1.2	13.6	166
4 x 2 x 1.3	1/1.3	0.6	1.2	16.1	266
6 x 2 x 1.3	1/1.3	0.6	1.4	19.7	380
8 x 2 x 1.3	1/1.3	0.6	1.5	21.8	494
10 x 2 x 1.3	1/1.3	0.6	1.6	25.9	623
12 x 2 x 1.3	1/1.3	0.6	1.6	26.8	713
16 x 2 x 1.3	1/1.3	0.6	1.8	30.1	874
20 x 2 x 1.3	1/1.3	0.6	1.9	33.6	1123
24 x 2 x 1.3	1/1.3	0.6	2.1	37.9	1362