

# Brand-Rex Type J, K & T PTFE Insulated Thermocouple Cable - Class 1



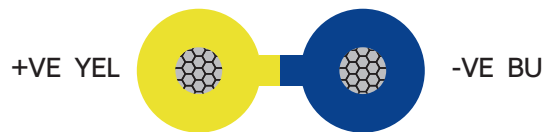
Datasheet: LD011386v3

## Dumbbell (DB)

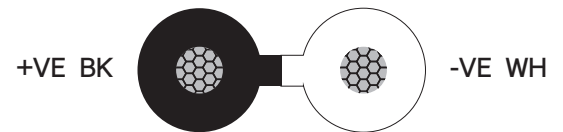
- BS1843 and IEC 60584-3 color schemes
- Maximum temperature +260°C fixed installation
- Construction
  - Extruded PTFE insulation
  - Dumbbell cross-section
  - Colors to suit specified standard BS and IEC examples shown below
- Country of origin: United Kingdom

## Type J/JX

### BS 1843 Color Scheme



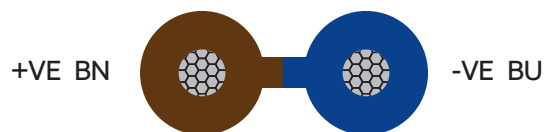
### IEC 60584-3 Color Scheme



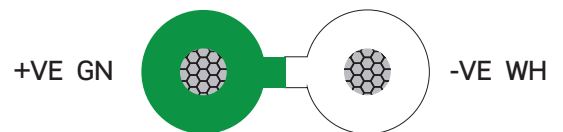
BS 1843 Color Scheme	IEC 60584-3 Color Scheme	Conductor						Insulation			
		+ve			-ve			PTFE			
		Iron			Constantan J			Minor axis (mm)		Major axis (mm)	
		Diameter (mm)	Resistance (ohms/m)		Diameter (mm)	Resistance (ohms/m)		Min	Max	Min	Max
		Min	Max	Nominal	Min	Max	Min	Max	Min	Max	
PTDBJX3201B	PTDBJX3201I	1/0.20	3.50	4.50	1/0.20	13.73	17.64	1.20	1.40	2.70	2.90
PTDBJX2801B	PTDBJX2801I	1/0.315	1.21	1.28	1/0.315	5.64	6.98	1.20	1.40	2.70	2.90
PTDBJX2701B	PTDBJX2701I	1/0.376	1.01	1.24	1/0.376	3.98	4.87	1.20	1.40	2.70	2.90
PTDBJX2401B	PTDBJX2401I	1/0.51	0.56	0.68	1/0.51	2.19	2.66	1.20	1.40	2.70	2.90
PTDBJX2407B	PTDBJX2407I	7/0.20	0.49	0.66	7/0.20	1.92	2.57	1.20	1.40	2.70	2.90

## Type K/KX

### BS 1843 Color Scheme

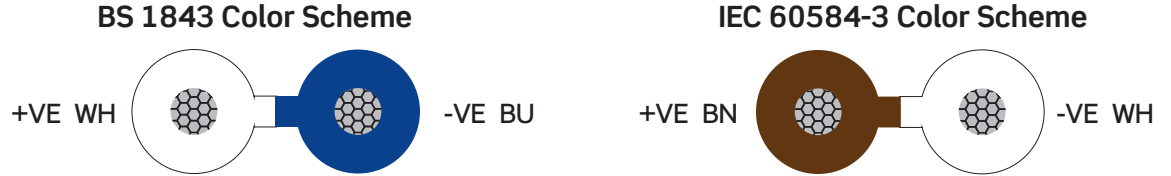


### IEC 60584-3 Color Scheme



BS 1843 Color Scheme	IEC 60584-3 Color Scheme	Conductor						Insulation			
		+ve			-ve			PTFE			
		Nickel Chrome Class 1			Nickel Aluminium Class 1			Minor axis (mm)		Major axis (mm)	
		Diameter (mm)	Resistance (ohms/m)		Diameter (mm)	Resistance (ohms/m)		Min	Max	Min	Max
	Nominal	Min	Max	Nominal	Min	Max	Min	Max	Min	Max	
PTDBKX3201B	PTDBKX3201I	1/0.20	19.62	25.20	1/0.20	8.13	10.44	1.20	1.40	2.70	2.90
PTDBKX2801B	PTDBKX2801I	1/0.315	8.05	9.97	1/0.315	3.36	4.13	1.20	1.40	2.70	2.90
PTDBKX2701B	PTDBKX2701I	1/0.376	5.68	6.96	1/0.376	2.35	2.88	1.20	1.40	2.70	2.90
PTDBKX2401B	PTDBKX2401I	1/0.51	3.14	3.78	1/0.51	1.29	1.56	1.20	1.40	2.70	2.90
PTDBKX2407B	PTDBKX2407I	7/0.20	2.75	3.67	7/0.20	1.14	1.52	1.20	1.40	2.70	2.90

## Type T/TX



BS 1843 Color Scheme	IEC 60584-3 Color Scheme	Conductor						Insulation			
		+ve			-ve			PTFE			
		Silver Plated Copper			Constantan T			Minor axis (mm)		Major axis (mm)	
		Diameter (mm)	Resistance (ohms/m)		Diameter (mm)	Resistance (ohms/m)		Min	Max	Min	Max
		Nominal	Min	Max	Nominal	Min	Max	Min	Max	Min	Max
PTDBTX3201B	PTDBTX3201I	1/0.20	0.522	0.543	1/0.20	13.73	17.64	1.20	1.40	2.70	2.90
PTDBTX2801B	PTDBTX2801I	1/0.315	0.217	0.225	1/0.315	5.64	6.98	1.20	1.40	2.70	2.90
PTDBTX2701B	PTDBTX2701I	1/0.376	0.214	0.223	1/0.376	3.97	4.85	1.20	1.40	2.70	2.90
PTDBTX2401B	PTDBTX2401I	1/0.51	0.083	0.086	1/0.51	2.19	2.66	1.20	1.40	2.70	2.90
PTDBTX2407B	PTDBTX2407I	7/0.20	0.077	0.083	7/0.20	1.92	2.57	1.20	1.40	2.70	2.90

This thermocouple cable meets the requirements of BSEN60584 Class 1 & ANSI ISA-MS96.1 special tolerance.

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