

Thermocouple cables IEC60584.3
PVC insulated, individual & overall screened,
PVC outer sheath



Type

Kx PVC/IS/OS/PVC/ 300/500 V
Kx FR2XHOHR 300/500 V

Conductor

Stranded or flexible conductor according to IEC60584.3

Insulation

PVC compound according to IEC60227

- Temperature range -40 + 70°C

- Temperature laying -5 + 70°C

Laying up

Core are twisted to pairs

- Colour as per IEC60584.3 (see table below)

Pair screen

Each pair or triad will be shielded with aluminium/mylar tape, with copper drain wire 20AWG placed between the aluminium/mylar tape and further mylar tape.

The drain wire is layed up with the other conductors.

Overall screen

Over the multipair / triad layer will be shielded with aluminium/mylar tape, with copper drain wire 20 AWG placed between the aluminium/mylar tape and further mylar tape.

The drain wire is layed up with the other conductors.

Outer sheath

Polyvinylchloride extruded compound according to IEC60502

Marking

On the outhter sheath " manufacturer's name year & description cable " with ink-jet printer.

Performance

Flame retardant according to IEC60332.3

Technical data & Electrical properties at 20°C

Description	Unit	Conductor size		
		0,5 sqmm	0,8sqmm	1sqmm
Nominal insulation thickness	mm	0,5	0,5	0,6
Test voltage Core to Core	V	1.500	1.500	1.500
Test voltage Core to screen	V	500	500	500
Rated voltage	V	300 /500	300 /500	300 /500
Minimum bending radius	mm	12	12	12

Thermoc. Type	Rated range of thermocouple Temperature	Materials of thermoc.		Cable Type	Conductor materials		Colouring IEC60584.3		
		Positive	Negative		Positive	Negative	Sheath	Positive	Negative
T	-184 /370°C	Copper	Costantan	Tx	Copper	Costantan	Brown	Brown	White
J	0 /760°C	Iron	Costantan	Jx	Iron	Costantan	Black	Bleck	White
E	0 /870°C	Chromel	Costantan	Ex	Chromel	Costantan	Blue	Blue	White
K	0 /1260°C	Chromel	Alumel	Kx	Chromel	Alumel	Green	Green	White
S	0 /1480°C	Platin/Rhod.	Platinum	Sx	Copper	CopperNi	Yellow	Yellow	White