



Application

These cable can be used in cable tray or conduit to connect different types of thermocouple in industrial process controls, refineries, oil and gas plant. Excellent protection against corrosion, humidity and poor vibration resistance.?

Conductor

Solid

Type applicable

KX, EX, JX, TX, NX, KCA, KCB, RCA, RCB, SCA, RCB, BC

Insulation

PVC, PE, XLPE or LSZH thermoplastic material

Individual screen

24 µm aluminium / PETP tape over solid tinned copper drain wire, 0.6 mm

Wrapping

At least 1 layer of plastic tape

Overall screen

24 µm aluminium / PETP tape over 7-stranded tinned copper drain wire, 0.5 mm²

Bedding

PE, PVC or LSZH thermoplastic material

Lead sheath

Lead alloy

Inner sheath

PVC or LSZH thermoplastic material

Armor

Galvanized round steel wires

Outer sheath

PVC or LSZH thermoplastic material

Color code

According to IEC 60584-3

Flame retardancy

IEC 60332-1

Flame propagation

IEC 60332 cat. C

Temperature range

-30°C up to 70°C during operation. -5°C up to 50°C during installation.

Construction Parameters

0.5 mm²

NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	LEAD SHEATH THICKNESS (MM)	INNER SHEATH THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
2	0.4	0.9	1.1	0.8	0.9	1.4	17.3	892
4	0.4	1.1	1.1	0.8	0.9	1.4	18.9	1078
6	0.4	1.2	1.1	0.8	0.9	1.5	21.2	1309
8	0.4	1.2	1.2	0.8	0.9	1.5	22.3	1491
10	0.4	1.2	1.2	0.8	1.25	1.6	25.4	1912
12	0.4	1.2	1.2	0.9	1.25	1.6	25.8	2000
16	0.4	1.3	1.3	0.9	1.25	1.7	28.2	2383
20	0.4	1.3	1.3	0.9	1.25	1.7	29.5	2610
24	0.4	1.3	1.4	1.0	1.25	1.8	32.6	3087

0.8 mm²

NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	LEAD SHEATH THICKNESS (MM)	INNER SHEATH THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
2	0.4	0.9	1.1	0.8	0.9	1.4	18.0	970
4	0.4	1.1	1.1	0.8	0.9	1.5	20.2	1204
6	0.4	1.2	1.1	0.8	0.9	1.5	22.3	1451
8	0.4	1.2	1.2	0.8	0.9	1.6	24.6	1848
10	0.4	1.2	1.2	0.9	1.25	1.6	26.9	2137
12	0.4	1.3	1.3	0.9	1.25	1.7	28.2	2383
16	0.4	1.3	1.3	0.9	1.25	1.7	30.0	2690
20	0.4	1.3	1.4	1.0	1.25	1.8	32.1	3092
24	0.4	1.5	1.4	1.0	1.25	1.8	35.2	3581

1.0 mm²

NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	LEAD SHEATH THICKNESS (MM)	INNER SHEATH THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
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2	0.4	1.1	1.1	0.8	0.9	1.4	18.4	1011
4	0.4	1.1	1.1	0.8	0.9	1.5	20.2	1204
6	0.4	1.2	1.2	0.9	0.9	1.6	23.6	1691
8	0.4	1.2	1.2	0.9	1.25	1.6	24.6	1848
10	0.4	1.2	1.3	0.9	1.25	1.7	27.5	2244
12	0.4	1.3	1.3	0.9	1.25	1.7	28.2	2383
16	0.4	1.3	1.4	1.0	1.25	1.7	30.2	2781
20	0.4	1.5	1.4	1.1	1.25	1.8	32.5	3154
24	0.4	1.5	1.5	1.2	1.6	1.9	36.5	3982

1.3 mm²

NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	LEAD SHEATH THICKNESS (MM)	INNER SHEATH THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
2	0.4	1.1	1.1	0.8	0.9	1.5	19.8	1140
4	0.4	1.2	1.2	0.9	0.9	1.5	22.5	1588
6	0.4	1.2	1.2	1.0	1.25	1.6	25.1	1915
8	0.4	1.2	1.3	1.1	1.25	1.6	26.4	2190
10	0.4	1.3	1.3	1.1	1.25	1.7	29.7	2606
12	0.4	1.3	1.4	1.1	1.25	1.7	30.5	2843
16	0.4	1.3	1.4	1.2	1.25	1.8	32.5	3235
20	0.4	1.5	1.5	1.2	1.25	1.9	35.2	3797
24	0.4	1.5	1.5	1.2	1.6	1.9	39.5	4653

1.5 mm²

NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	LEAD SHEATH THICKNESS (MM)	INNER SHEATH THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
2	0.5	1.1	1.2	0.9	0.9	1.5	21.1	1303
4	0.5	1.2	1.2	1.0	0.9	1.5	23.7	1741
6	0.5	1.2	1.3	1.1	1.25	1.6	26.9	2193
8	0.5	1.3	1.3	1.1	1.25	1.7	28.7	2481

10	0.5	1.3	1.4	1.2	1.25	1.7	31.9	2995
12	0.5	1.3	1.4	1.2	1.25	1.7	32.6	3164
16	0.5	1.5	1.5	1.3	1.25	1.9	36.3	3863
20	0.5	1.5	1.6	1.3	1.6	1.9	39.2	4686
24	0.5	1.7	1.6	1.3	1.6	2.0	43.6	5471