



Application

These cables are used in thermocouple circuits, petrochemical plants, utilities and industrial plants.

Conductor

Solid

Type applicable

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

Insulation

PVC, PE, XLPE or LSZH thermoplastic material

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

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

CONDUCTOR SIZE	NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
0.5	1	0.4	0.8	0.9	1.3	9.6	206

0.5	2	0.4	0.8	0.9	1.4	12.1	295
0.5	4	0.4	0.9	0.9	1.4	13.4	374
0.5	6	0.4	1.1	0.9	1.4	15.4	480
0.5	8	0.4	1.1	0.9	1.5	16.3	546
0.5	10	0.4	1.2	0.9	1.5	17.9	656
0.5	12	0.4	1.2	0.9	1.5	18.5	703
0.5	16	0.4	1.2	1.25	1.6	21.1	975
0.5	20	0.4	1.2	1.25	1.6	22.5	1093
0.5	24	0.4	1.3	1.25	1.7	24.3	1285

0.8 mm²

CONDUCTOR SIZE	NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
0.8	1	0.4	0.8	0.9	1.3	10.0	227
0.8	2	0.4	0.9	0.9	1.4	13.0	343
0.8	4	0.4	0.9	0.9	1.4	14.3	431
0.8	6	0.4	1.1	0.9	1.5	16.7	567
0.8	8	0.4	1.2	0.9	1.5	17.6	657
0.8	10	0.4	1.2	0.9	1.6	19.4	788
0.8	12	0.4	1.2	1.25	1.6	20.8	999
0.8	16	0.4	1.2	1.25	1.7	22.9	1175
0.8	20	0.4	1.3	1.25	1.7	24.8	1347
0.8	24	0.4	1.3	1.25	1.7	26.3	1556

1.0 mm²

CONDUCTOR SIZE	NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
1.0	1	0.4	0.8	0.9	1.3	10.3	240
1.0	2	0.4	0.9	0.9	1.4	13.4	366
1.0	4	0.4	1.1	0.9	1.4	15.1	489
1.0	6	0.4	1.2	0.9	1.5	17.4	629

1.0	8	0.4	1.2	0.9	1.5	18.2	720
1.0	10	0.4	1.2	1.25	1.6	20.9	1016
1.0	12	0.4	1.2	1.25	1.6	21.5	1094
1.0	16	0.4	1.3	1.25	1.7	24.0	1312
1.0	20	0.4	1.3	1.25	1.7	25.7	1490
1.0	24	0.4	1.3	1.25	1.7	27.3	1727

1.3 mm²

CONDUCTOR SIZE	NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
1.3	1	0.4	0.8	0.9	1.3	10.6	258
1.3	2	0.4	0.9	0.9	1.4	14.6	399
1.3	4	0.4	1.1	0.9	1.5	16.8	546
1.3	6	0.4	1.2	0.9	1.5	19.3	701
1.3	8	0.4	1.2	0.9	1.6	20.4	817
1.3	10	0.4	1.2	1.25	1.6	23.2	1136
1.3	12	0.4	1.2	1.25	1.7	24.2	1240
1.3	16	0.4	1.3	1.25	1.7	26.8	1484
1.3	20	0.4	1.3	1.25	1.7	28.9	1697
1.3	24	0.4	1.5	1.25	1.8	31.5	2025

1.5 mm²

CONDUCTOR SIZE	NO. OF PAIRS	INSULATION THICKNESS (MM)	BEDDING THICKNESS (MM)	DIAMETER OF ARMOR WIRE (MM)	OUTER SHEATH THICKNESS (MM)	NOMINAL O.D. (MM)	WEIGHT* (KG/KM)
1.5	1	0.5	0.8	0.9	1.3	11.2	284
1.5	2	0.5	1.1	0.9	1.4	16.1	467
1.5	4	0.5	1.2	0.9	1.5	18.3	627
1.5	6	0.5	1.2	0.9	1.6	21.2	802
1.5	8	0.5	1.2	1.25	1.6	22.9	1082
1.5	10	0.5	1.3	1.25	1.7	25.7	1319
1.5	12	0.5	1.3	1.25	1.7	26.6	1430

1.5	16	0.5	1.3	1.25	1.7	29.3	1697
1.5	20	0.5	1.5	1.25	1.8	32.4	2000
1.5	24	0.5	1.5	1.6	1.9	35.5	2598