



## 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

## 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 mm<sup>2</sup>

## 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 mm<sup>2</sup>

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	2	0.4	0.9	0.9	1.4	13.5	314

0.5	4	0.4	1.1	0.9	1.4	15.2	393
0.5	6	0.4	1.2	0.9	1.5	17.6	497
0.5	8	0.4	1.2	0.9	1.5	18.4	567
0.5	10	0.4	1.2	1.25	1.6	21.0	832
0.5	12	0.4	1.2	1.25	1.6	21.7	893
0.5	16	0.4	1.3	1.25	1.7	24.2	1057
0.5	20	0.4	1.3	1.25	1.7	26.0	1196
0.5	24	0.4	1.3	1.25	1.8	27.8	1397

## 0.8 mm<sup>2</sup>

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	2	0.4	0.9	0.9	1.4	14.2	351
0.8	4	0.4	1.1	0.9	1.5	16.3	460
0.8	6	0.4	1.2	0.9	1.5	18.7	576
0.8	8	0.4	1.2	0.9	1.6	19.7	675
0.8	10	0.4	1.2	1.25	1.6	22.4	966
0.8	12	0.4	1.3	1.25	1.7	23.6	1059
0.8	16	0.4	1.3	1.25	1.7	25.8	1246
0.8	20	0.4	1.3	1.25	1.8	28.0	1439
0.8	24	0.4	1.5	1.25	1.8	30.3	1667

## 1.0 mm<sup>2</sup>

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	2	0.4	1.1	0.9	1.4	15.0	374
1.0	4	0.4	1.1	0.9	1.5	16.7	495
1.0	6	0.4	1.2	0.9	1.6	19.4	636
1.0	8	0.4	1.2	1.25	1.6	21.0	884
1.0	10	0.4	1.2	1.25	1.7	23.3	1064
1.0	12	0.4	1.3	1.25	1.7	24.3	1153

1.0	16	0.4	1.3	1.25	1.7	26.7	1365
1.0	20	0.4	1.5	1.25	1.8	29.4	1582
1.0	24	0.4	1.5	1.6	1.9	32.3	2098

### 1.3 mm<sup>2</sup>

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	2	0.4	1.1	0.9	1.5	16.5	415
1.3	4	0.4	1.2	0.9	1.5	18.6	545
1.3	6	0.4	1.2	1.25	1.6	22.2	853
1.3	8	0.4	1.2	1.25	1.6	23.3	980
1.3	10	0.4	1.3	1.25	1.7	26.1	1183
1.3	12	0.4	1.3	1.25	1.7	27.0	1288
1.3	16	0.4	1.3	1.25	1.8	30.0	1553
1.3	20	0.4	1.5	1.25	1.9	33.2	1806
1.3	24	0.4	1.5	1.6	1.9	36.1	2358

### 1.5 mm<sup>2</sup>

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	2	0.5	1.1	0.9	1.5	17.6	461
1.5	4	0.5	1.2	0.9	1.5	19.9	611
1.5	6	0.5	1.2	1.25	1.6	23.8	957
1.5	8	0.5	1.3	1.25	1.7	25.4	1119
1.5	10	0.5	1.3	1.25	1.7	28.1	1336
1.5	12	0.5	1.3	1.25	1.7	29.2	1459
1.5	16	0.5	1.5	1.25	1.9	33.2	1783
1.5	20	0.5	1.5	1.6	1.9	36.7	2308
1.5	24	0.5	1.7	1.6	2.0	39.8	2706