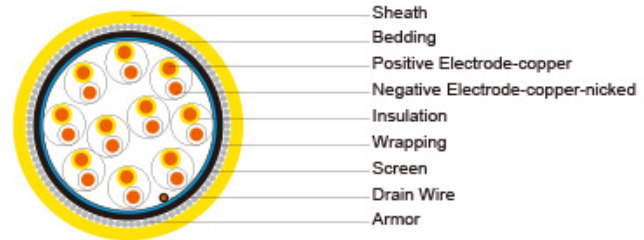


**Single pair/multipair Overall Screen with Armor**



<b>Application:</b>	These cables are used with thermocouples for temperature measurements.
<b>Conductor:</b>	Solid
<b>Type applicable:</b>	KX, EX, JX, TX, NX, KCA, KCB, RCA, RCB, SCA, RCB, BC
<b>Insulation:</b>	PVC, PE, XLPE or LSZH thermoplastic material
<b>Wrapping:</b>	At least 1 layer of plastic tape
<b>Overall screen:</b>	24 µm aluminium / PETP tape over 7-stranded tinned copper drain wire, 0.5 mm <sup>2</sup>
<b>Armor:</b>	Galvanized round steel wires
<b>Outer sheath:</b>	PVC or LSZH thermoplastic material
<b>Color code:</b>	According to IEC 60584-3
<b>Flame retardancy:</b>	IEC 60332-1
<b>Flame propagation:</b>	IEC 60332 cat. C
<b>Temperature range:</b>	-30°C up to 70°C during operation. -5°C up to 50°C during installation.

**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	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 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	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 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	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 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	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 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	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

\*The number here is just approx. weight. It changes according to the insulation material and the conductor used in different type of extension cable and compensating cable.