

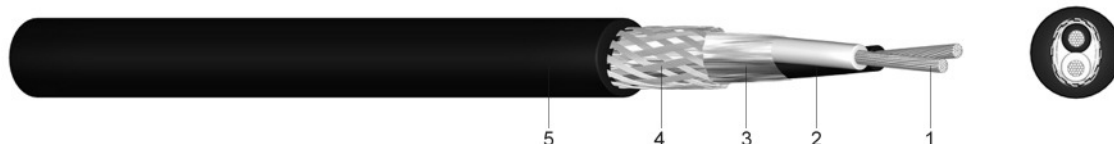
Datasheet 90 E/N/P/C

Version 1/2009

Silicone Insulated Compensating and Extension Cable with Screening

Application:

These cables are suitable for installations in dry, humid and wet locations as temperature measuring cables for areas such as the plastic industry in machine engineering, industrial oven construction as well as blast furnace plants in the steel industry. PVC-, fibre-glass- and asbestos-substitute insulated or sheathed compensating and extension cables are not suitable for open-air use except for the PVC-sheathed solid conductor type which can be used for underground laying, too.



Construction:

- 1 solid or fine-stranded conductor
conductor material according to the element-type
- 2 core insulation of silicone (2GI1)
- 3 layer of plastic foil
- 4 screening of an aluminium foil with drain wire
- 5 outer sheath of silicone (2GM1)

According to:

IEC 60584 (core identification)

Technical data:

Temperature range

in motion
fixed
temporary resilient
standard

-25 °C till +180 °C
-25 °C till +180 °C
+250 °C
EN 60332-1-2

Flammability

Type Number of cores cross section mm ²	Materials per DIN 43713	for thermo- couple	Conductor construct. appr.value mm	Form	Overall. diameter appr. mm	Weight appr. kg / km
90E 6L 2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	round	8,0	94
90E 6L 2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	round	8,0	94
90E 6L 2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	round	8,0	94
90E 6L 2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	round	8,0	94
90E 6L 2 x 1,5	Fe-CuNi	Typ L	1 x 1,38	round	7,8	92
90E 6L 2 x 1,5	SoNiCr-SoNi	Typ K	1 x 1,38	round	7,8	92
90E 6L 2 x 1,5	SoPtRh-SoPt	Typ S	1 x 1,38	round	7,8	92
90E 6L 2 x 1,5	Cu-CuNi	Typ U	1 x 1,38	round	7,8	92

Further cross-sections and core-quantities as well as standards and configurations upon request