

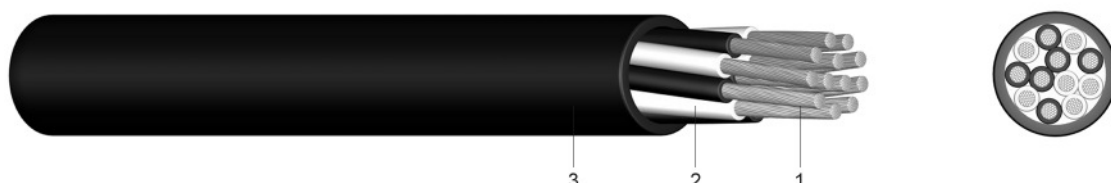
Datasheet 90 E/N/P/C

Version 1/2009

PVC Insulated Compensating and Extension Cable

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
- 2 core insulation of polyvinylchloride (PVC)
- 3 outer sheath of polyvinylchloride (PVC)

According to:

IEC 60584 (core identification)

Technical data:

Temperature range

in motion
fixed

-5 °C till +70 °C

-25 °C till +70 °C

Flammability

standard

EN 60332-1-2

Type	Number of cores	Materials	for	Conductor	Form	Overall	Weight
	cross section mm ²	per DIN 43713	thermo- couple	construct. appr. value mm		diameter appr. mm	appr. kg / km
90E 9L	2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	round	7,0	79
90N 9L	2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	round	7,0	79
90P 9L	2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	round	7,0	79
90C 9L	2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	round	7,0	79
90E 9L	2 x 0,22	Fe-CuNi	Typ L	7 x 0,20	round	4,0	22
90N 9L	2 x 0,22	SoNiCr-SoNi	Typ K	7 x 0,20	round	4,0	22
90P 9L	2 x 0,22	SoPtRh-SoPt	Typ S	7 x 0,20	round	4,0	22
90C 9L	2 x 0,22	Cu-CuNi	Typ U	7 x 0,20	round	4,0	22
90E 12L	2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	oval	4,3 x 7,0	69
90N 12L	2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	oval	4,3 x 7,0	69
90P 12L	2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	oval	4,3 x 7,0	69
90C 12L	2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	oval	4,3 x 7,0	69
90E 12D	2 x 1,5	Fe-CuNi	Typ L	1 x 1,38	oval	4,2 x 6,8	61
90N 12D	2 x 1,5	SoNiCr-SoNi	Typ K	1 x 1,38	oval	4,2 x 6,8	61
90P 12D	2 x 1,5	SoPtRh-SoPt	Typ S	1 x 1,38	oval	4,2 x 6,8	61
90C 12D	2 x 1,5	Cu-CuNi	Typ U	1 x 1,38	oval	4,2 x 6,8	61

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Type	Materials	for	Conductor	Form	Overall	Weight
Number of cores	per	thermo-	construct.		diameter	
cross section	DIN 43713	couple	appr.value		appr.	appr.
mm ²			mm		mm	kg / km
90. 9-4L 4 x 1,5	E / N / P / C		48 x 0,20	round	8,1	119
90. 9-6L 6 x 1,5	E / N / P / C		48 x 0,20	round	10,1	184
90. 9-12L 12 x 1,5	E / N / P / C		48 x 0,20	round	13,2	312
90. 9-16L 16 x 1,5	E / N / P / C		48 x 0,20	round	15,1	419
90. 9-20L 20 x 1,5	E / N / P / C		48 x 0,20	round	16,7	520
90. 9-24L 24 x 1,5	E / N / P / C		48 x 0,20	round	19,0	614
90. 9-32L 32 x 1,5	E / N / P / C		48 x 0,20	round	20,9	793
90. 9-36L 36 x 1,5	E / N / P / C		48 x 0,20	round	22,1	904
90. 9-40L 40 x 1,5	E / N / P / C		48 x 0,20	round	24,1	1.032

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