

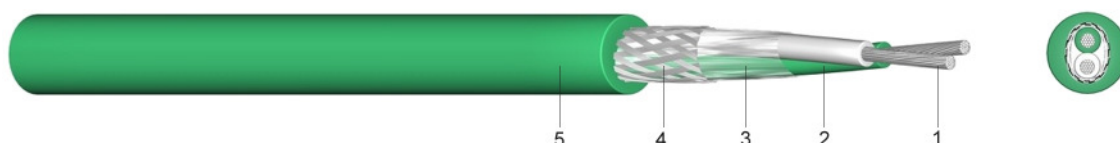
Datasheet 90 E/N/P/C

Version 1/2009

PVC 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 polyvinylchloride (PVC)
- 3 layer of plastic foil
- 4 screening of tinned copper braiding
- 5 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 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
with Copper braid						
90E 5L 2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	round	8,1	93
90N 5L 2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	round	8,1	93
90P 5L 2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	round	8,1	93
90C 5L 2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	round	8,1	93
90E 5-022 2 x 0,22	Fe-CuNi	Typ L	7 x 0,20	round	4,0	31
90N 5-022 2 x 0,22	SoNiCr-SoNi	Typ K	7 x 0,20	round	4,0	31
90P 5-022 2 x 0,22	SoPtRh-SoPt	Typ S	7 x 0,20	round	4,0	31
90C 5-022 2 x 0,22	Cu-CuNi	Typ U	7 x 0,20	round	4,0	31
with Aluminium foil						
90E 20L 2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	round	8,0	75
90N 20L 2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	round	8,0	75
90P 20L 2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	round	8,0	75
90C 20L 2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	round	8,0	75

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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
with Aluminium foil						
90E 20D 2 x 1,5	Fe-CuNi	Typ L	1 x 1,38	round	8,2	82
90N 20D 2 x 1,5	SoNiCr-SoNi	Typ K	1 x 1,38	round	8,2	82
90P 20D 2 x 1,5	SoPtRh-SoPt	Typ S	1 x 1,38	round	8,2	82
90C 20D 2 x 1,5	Cu-CuNi	Typ U	1 x 1,38	round	8,2	82
90. 20-4D 4 x 1,5	E / N / P / C		1 x 1,38	round	10,8	137
90. 20-6D 6 x 1,5	E / N / P / C		1 x 1,38	round	12,4	186
90. 20-12D 12 x 1,5	E / N / P / C		1 x 1,38	round	16,3	362
90. 20-16D 16 x 1,5	E / N / P / C		1 x 1,38	round	16,8	423
90. 20-20D 20 x 1,5	E / N / P / C		1 x 1,38	round	20,3	542
90. 20-24D 24 x 1,5	E / N / P / C		1 x 1,38	round	22,5	638
90. 20-28D 28 x 1,5	E / N / P / C		1 x 1,38	round	24,2	749
90. 20-30D 30 x 1,5	E / N / P / C		1 x 1,38	round	24,2	788
90. 20-32D 32 x 1,5	E / N / P / C		1 x 1,38	round	25,1	847

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