TESLA CABLES

90 E/N/P/C Silicone Insulated Compensating and Extension Cable with or without Steel Wire Braiding

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 ..... fine-stranded conductor, conductor material depending on kind of elements
2 ..... core insulation of silicone (2GI1)
3 ..... outer sheath of silicone (2GM1)
4 ..... steel wire braiding

Standards:

IEC 60584 (core identification)
Core identification and temperatur ranges as download at: www.meinhart.at/service/download

Technical data:

Temperature range	in motion	-25°C till +180°C
	fixed	-25°C till +180°C
	temporary resilient	+250°C
Flammability	standard	EN 60332-1-2

Type Number of cores cross section mm²	Materials per DIN 60584	for thermo-couple	Conductor construct. appr.value mm	Form	Overall. dieameter appr. mm	Weight appr. kg/km
without steel braid						
90E 15L 2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	round	7,7	76
90N 15L 2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	round	7,7	76
90P 15L 2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	round	7,7	76
90C 15L 2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	round	7,7	76
90E 3Ln 2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	oval	5,2 x 7,4	62
90N 3Ln 2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	oval	5,2 x 7,4	62
90P 3Ln 2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	oval	5,2 x 7,4	62
90C 3Ln 2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	oval	5,2 x 7,4	62
with steel braid						
90E 15LP 2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	oval	7,8	105
90N 15LP 2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	oval	7,8	105
90P 15LP 2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	oval	7,8	105
90C 15LP 2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	oval	7,8	105
90E 15LP 2 x 1,5	Fe-CuNi	Typ L	48 x 0,20	oval	6,0 x 8,2	85
90N 15LP 2 x 1,5	SoNiCr-SoNi	Typ K	48 x 0,20	oval	6,0 x 8,2	85
90P 15LP 2 x 1,5	SoPtRh-SoPt	Typ S	48 x 0,20	oval	6,0 x 8,2	85
90C 15LP 2 x 1,5	Cu-CuNi	Typ U	48 x 0,20	oval	6,0 x 8,2	85

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

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