

Compensating and extension cables

Fibre-glass insulated extension cables

for thermocouples

Th LGS with fibre-glass braiding and steel wire armouring
Th LRS with special fibre-glass braiding and steel wire armouring



Th LGS · Th LRS

Construction:

Insulation:	Th LGS: fibre-glass Th LRS: special fibre-glass
Stranding:	cores together
Braiding:	Th LGS: fibre-glass Th LRS: special fibre-glass
Armouring:	galvanized steel wire armouring with tracer
Shape:	round

Technical data:

Min. bending radius:	12 x d
Temperature range of insulation:	Th LGS: max. 250 °C Th LRS: max. 400 °C
Halogen-free:	acc. to IEC 60754-1 + VDE 0482-754-1
Fire performance:	no flame propagation acc. to IEC 60332-3-24 + VDE 0482-332-3-24 resp. IEC 60332-3-25 + VDE 0482-332-3-25 Cat. C resp. D, see chapter N „Technical data“. Flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2.
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Type:	Th LGS	Th LRS
Conductor construction:	0,22 mm ² = 7 x 0,20 mm ø 0,50 mm ² = 16 x 0,20 mm ø 1,00 mm ² = 32 x 0,20 mm ø	0,22 mm ² = 7 x 0,20 mm ø 0,50 mm ² = 16 x 0,20 mm ø 1,00 mm ² = 32 x 0,20 mm ø

Th LGS

item no.	type	no. of cores x cross section n x mm ²	for thermo-couple	outer-ø approx. mm	cable weight ≈ kg/100 m
047110...*	Th 20 LGS	2 x 0,22	Fe-CuNi	3,1	2,0
047111...*	Th 50 LGS	2 x 0,50	Fe-CuNi	3,7	3,9
047112...*	Th 100 LGS	2 x 1,00	Fe-CuNi	4,5	4,3
047113...*	Th 20-4 LGS	4 x 0,22	Fe-CuNi	3,5	2,9
047114...*	Th 50-4 LGS	4 x 0,50	Fe-CuNi	4,2	4,3
047115...*	Th 100-4 LGS	4 x 1,00	Fe-CuNi	5,4	7,0
047110...*	Th 20 LGS	2 x 0,22	NiCr-Ni	3,1	2,0
047111...*	Th 50 LGS	2 x 0,50	NiCr-Ni	3,7	3,2
047112...*	Th 100 LGS	2 x 1,00	NiCr-Ni	4,5	4,3
047113...*	Th 20-4 LGS	4 x 0,22	NiCr-Ni	3,5	2,9
047114...*	Th 50-4 LGS	4 x 0,50	NiCr-Ni	4,2	4,3
047115...*	Th 100-4 LGS	4 x 1,00	NiCr-Ni	5,4	7,0

Th LRS

item no.	type	no. of cores x cross section n x mm ²	for thermo-couple	outer-ø approx. mm	cable weight ≈ kg/100 m
047210...*	Th 20 LRS	2 x 0,22	Fe-CuNi	3,1	1,9
047211...*	Th 50 LRS	2 x 0,50	Fe-CuNi	3,7	3,9
047212...*	Th 100 LRS	2 x 1,00	Fe-CuNi	4,5	5,2
047213...*	Th 20-4 LRS	4 x 0,22	Fe-CuNi	3,5	2,9
047214...*	Th 50-4 LRS	4 x 0,50	Fe-CuNi	4,2	5,1
047215...*	Th 100-4 LRS	4 x 1,00	Fe-CuNi	5,4	7,5
047210...*	Th 20 LRS	2 x 0,22	NiCr-Ni	3,1	1,9
047211...*	Th 50 LRS	2 x 0,50	NiCr-Ni	3,7	3,9
047212...*	Th 100 LRS	2 x 1,00	NiCr-Ni	4,5	5,2
047213...*	Th 20-4 LRS	4 x 0,22	NiCr-Ni	3,5	2,9
047214...*	Th 50-4 LRS	4 x 0,50	NiCr-Ni	4,2	5,1
047215...*	Th 100-4 LRS	4 x 1,00	NiCr-Ni	5,4	7,5

*Thermocouple code see page L/6