Fiber-glass insulated extension cables for thermocouples

Th LGS with fiber-glass braiding and steel wire armoring
Th LRS with special fiber-glass braiding and steel wire armoring

RoHS

Th LGS · Th LRS

Construction:

Insulation:	**Th LGS:** fiber-glass **Th LRS:** special fiber-glass
Stranding:	conductors together
Braiding:	**Th LGS:** fiber-glass **Th LRS:** special fiber-glass
Armoring:	galvanized steel wire armoring with tracer
Shape:	round

Technical data:

Min. bending radius:	12 x O.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
Burning characteristics:	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 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 page O/30

Type: Conductor construction:	**Th LGS:** 0.22 mm² = 7 x 0.20 mm ø 0.50 mm² = 16 x 0.20 mm ø 1.00 mm² = 32 x 0.20 mm ø	**Th LRS:** 0.22 mm² = 7 x 0.20 mm ø 0.50 mm² = 16 x 0.20 mm ø 1.00 mm² = 32 x 0.20 mm ø

Th LGS

item no.	type	dimensions mm²	for thermocouple	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 47110…*	Th 20 LGS	2 x 0.22	Fe-CuNi	0.122	3.1	1
▶ 47111…*	Th 50 LGS	2 x 0.50	Fe-CuNi	0.146	3.7	3
▶ 47112…*	Th 100 LGS	2 x 1.00	Fe-CuNi	0.177	4.5	3
▶ 47113…*	Th 20-4 LGS	4 x 0.22	Fe-CuNi	0.138	3.5	2
▶ 47114…*	Th 50-4 LGS	4 x 0.50	Fe-CuNi	0.165	4.2	3
▶ 47115…*	Th 100-4 LGS	4 x 1.00	Fe-CuNi	0.213	5.4	5
▶ 47110…*	Th 20 LGS	2 x 0.22	NiCr-Ni	0.122	3.1	1
▶ 47111…*	Th 50 LGS	2 x 0.50	NiCr-Ni	0.146	3.7	2
▶ 47112…*	Th 100 LGS	2 x 1.00	NiCr-Ni	0.177	4.5	3
▶ 47113…*	Th 20-4 LGS	4 x 0.22	NiCr-Ni	0.138	3.5	2
▶ 47114…*	Th 50-4 LGS	4 x 0.50	NiCr-Ni	0.165	4.2	3
▶ 47115…*	Th 100-4 LGS	4 x 1.00	NiCr-Ni	0.213	5.4	5

Th LRS

item no.	type	dimensions mm²	for thermocouple	nominal outer-ø inch	nominal outer-ø mm	cable weight ≈lbs/mft
▶ 47210…*	Th 20 LRS	2 x 0.22	Fe-CuNi	0.122	3.1	1
▶ 47211…*	Th 50 LRS	2 x 0.50	Fe-CuNi	0.146	3.7	3
▶ 47212…*	Th 100 LRS	2 x 1.00	Fe-CuNi	0.177	4.5	3
▶ 47213…*	Th 20 -4 LRS	4 x 0.22	Fe-CuNi	0.138	3.5	2
▶ 47214…*	Th 50 -4 LRS	4 x 0.50	Fe-CuNi	0.165	4.2	3
▶ 47215…*	Th 100-4 LRS	4 x 1.00	Fe-CuNi	0.213	5.4	5
▶ 47210…*	Th 20 LRS	2 x 0.22	NiCr-Ni	0.122	3.1	1
▶ 47211…*	Th 50 LRS	2 x 0.50	NiCr-Ni	0.146	3.7	3
▶ 47212…*	Th 100 LRS	2 x 1.00	NiCr-Ni	0.177	4.5	3
▶ 47213…*	Th 20 -4 LRS	4 x 0.22	NiCr-Ni	0.138	3.5	2
▶ 47214…*	Th 50 -4 LRS	4 x 0.50	NiCr-Ni	0.165	4.2	3
▶ 47215…*	Th 100-4 LRS	4 x 1.00	NiCr-Ni	0.213	5.4	5

*Thermocouple code see page M/5