

# Compensating and extension cables

## PFA insulated extension cables for thermocouples

Th LTS with steel wire armouring · Th LTV stainless steel wire armouring



Th LTS



Th LTV

### Construction:

Insulation:	PFA
Stranding:	cores together
Braiding:	fibre-glass
Armouring:	Th LTS: galvanized steel wire armouring with tracer Th LTV: stainless steel wire armouring (VA) with tracer
Shape:	round

### Technical data:

Min. bending radius:	12 x d
Temperature range of insulation:	<i>flexible application:</i> max. +250 °C <i>fixed laying:</i> max. +250 °C <i>limited time of use:</i> +260 °C
Insulation resistance:	> 1MΩ x km
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 LTS	Th LTV
Conductor construction:	0,22 mm <sup>2</sup> = 7 x 0,20 mm ø 0,50 mm <sup>2</sup> = 16 x 0,20 mm ø 1,00 mm <sup>2</sup> = 32 x 0,20 mm ø	0,22 mm <sup>2</sup> = 7 x 0,20 mm ø 0,50 mm <sup>2</sup> = 16 x 0,20 mm ø 1,00 mm <sup>2</sup> = 32 x 0,20 mm ø

### Th LTS

item no.	type	no. of cores x cross section n x mm <sup>2</sup>	for thermo-couple	outer-ø approx. mm	cable weight ≈ kg/100 m
047310...*	Th 20 LTS	2 x 0,22	Fe-CuNi	3,3	2,1
047311...*	Th 50 LTS	2 x 0,50	Fe-CuNi	4,1	3,9
047312...*	Th 100 LTS	2 x 1,00	Fe-CuNi	4,9	5,2
047313...*	Th 20-4 LTS	4 x 0,22	Fe-CuNi	3,7	3,2
047314...*	Th 50-4 LTS	4 x 0,50	Fe-CuNi	4,7	5,1
047315...*	Th 100-4 LTS	4 x 1,00	Fe-CuNi	5,6	7,5
047310...*	Th 20 LTS	2 x 0,22	NiCr-Ni	3,3	2,1
047311...*	Th 50 LTS	2 x 0,50	NiCr-Ni	4,1	3,9
047312...*	Th 100 LTS	2 x 1,00	NiCr-Ni	4,9	5,2
047313...*	Th 20-4 LTS	4 x 0,22	NiCr-Ni	3,7	3,2
047314...*	Th 50-4 LTS	4 x 0,50	NiCr-Ni	4,7	5,1
047315...*	Th 100-4 LTS	4 x 1,00	NiCr-Ni	5,6	7,5

### Th LTV

item no.	type	no. of cores x cross section n x mm <sup>2</sup>	for thermo-couple	outer-ø approx. mm	cable weight ≈ kg/100 m
047350...*	Th 20 LTV	2 x 0,22	Fe-CuNi	3,2	1,9
047351...*	Th 50 LTV	2 x 0,50	Fe-CuNi	4,1	3,9
047352...*	Th 100 LTV	2 x 1,00	Fe-CuNi	4,9	5,2
047353...*	Th 20-4 LTV	4 x 0,22	Fe-CuNi	3,6	2,9
047354...*	Th 50-4 LTV	4 x 0,50	Fe-CuNi	4,7	5,1
047355...*	Th 100-4 LTV	4 x 1,00	Fe-CuNi	5,6	7,5
047350...*	Th 20 LTV	2 x 0,22	NiCr-Ni	3,2	1,9
047351...*	Th 50 LTV	2 x 0,50	NiCr-Ni	4,1	3,9
047352...*	Th 100 LTV	2 x 1,00	NiCr-Ni	4,9	5,2
047353...*	Th 20-4 LTV	4 x 0,22	NiCr-Ni	3,6	2,9
047354...*	Th 50-4 LTV	4 x 0,50	NiCr-Ni	4,7	5,1
047355...*	Th 100-4 LTV	4 x 1,00	NiCr-Ni	5,6	7,5

\*Thermocouple code see page L/6